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### Annotated and pictorial list of the Çatak Lepidoptera

Muhabbet Kemal <sup>1</sup> Ahmet Ömer Koçak

**Abstract:** Annotated and pictorial list of the Çatak Lepidoptera. *Priamus* (Suppl.) 41: 1-118, 95 figs. This study deals with hitherto recorded species of Lepidoptera of Çatak district (East Turkey). Totally 633 species are given in an annotated list. It contains valid names of the species, together with synonyms, original references, world ranges in codes. Totally 95 figures of field observations, collection material, as well as figures of male and female genitalia of some species are added. Comments on the identities of some micros, also faunistical, observational notes of some butterflies and moths are given. The female of *Myelois pumicosa* (*Pyrallidae*) is described and illustrated here for the first time.

**Key words:** *Lepidoptera*, list, fauna, Çatak, Van, Turkey.

Çatak is a steep mountainous district of Van Province of East Turkey. Its large territory can be considered as one of the most interesting region entomo-faunistically. In the last three decades, the region couldnot be investigated properly, due to the insecurity. The moth fauna hasnot been studied intensely, with the exception of the family *Noctuidae* (Hacker,1990; Baisch et al., 1998; etc). All the results of collecting trips on the butterflies of Turkey realized by foreigners during the previous century have been published (Hesselbarth et al.,1995). In the last decade, the butterflies of Çatak was published by the authors (Koçak & Kemal,2002c; Kemal & Koçak, 2005, 2010b). Meanwhile, various important taxonomical, faunistical or bionomical studies were also realized in the Van Province by the authors (Koçak, 2008a; Kemal & Koçak, 2008, 2010b; Kemal & Mükemre,2011; Kemal & Karabacak, 2008; Kemal, Özkol & Kayci, 2008; Koçak & Kemal, 2002b, 2002d). Annotated check-lists of the Lepidoptera of Van Province, of Turkey, and of East Mediterranean countries were also studied by the authors (Kemal & Koçak, 2011; Koçak & Kemal, 2006, 2008a-b, 2009, 2012).

The aim of the present study is to prepare an illustrative and annotated species list of the Çatak Lepidoptera hitherto known, before publishing the revised list of pterygota of Van Province, as well as the revised checklist of the Lepidoptera of Turkey. These last two studies mentioned are planned to publish within 2016.

<sup>1</sup> Asst. Prof. Dr. Muhabbet Kemal, Yüzüncü Yıl University, Faculty of Science, Dept. of Biology, Campus, Van / Turkey.

e-mail: [muhabbet\\_kemal@yahoo.com.tr](mailto:muhabbet_kemal@yahoo.com.tr)

co-author: Prof. em. Dr. Ahmet Ömer Koçak, c/o Yüzüncü Yıl University, Faculty of Science, Dept. of Biology, Campus, Van / Turkey.

e-mail: [cesa\\_tr@yahoo.com.tr](mailto:cesa_tr@yahoo.com.tr)

All the figures of observational or collected material, including male and female genitalia are from Çatak district. Every stage of the photo shoots and preparations of the genitalia are realized by the authors. The list of the Çatak Lepidoptera is based upon the info-system of the Cesa.

At the beginning, some published informative notes on *Aethes spirana*, including its occurrence in Turkey are discussed. Observations on the early stages of three species from Çatak are illustrated. These are: *Exophila rectangularis* (Noctuidae), *Melitaea arduinna* (Argynnidae), *Archips xylosteanus* (Tortricidae). The main part of this study is the annotated list of the Çatak Lepidoptera. It contains valid names of the species, together with chronologically arranged synonyms, original references, world range, including provinces and collecting localities in codes. The list comprises 633 taxa. Totally 95 figures of field observations, collection material, as well as figures of male and female genitalia of some species are added. Comments on the identities of some micros, also faunistical, observational notes of some butterflies and moths are given. The female of *Myelois pumicosa* (Pyrilidae) is described and illustrated here for the first time.

### Notes on *Aethes spirana* (Tortricidae)

In the World Catalogue of Tortricidae (online), the reference information on *Aethes spirana* is illustrated below (Access 29 Febr., 2016).



**Fig. 1** – Information about *Aethes spirana*. This reference contains three mis-information: [1] TL (Type-locality) “Turkey”, [2] “Lectotype”, [3] “male”.

Razowski (1970; 2009) reported *Aethes spirana* from “Kazakhstan, Uzbekistan, Tadzhikistan, C. Asia: Alexander Mts; Iran”. He also mentioned (1970, pp. 322-323) “Holotype ♀” and the type locality as “Lepsa”. Razowski’s bibliographical information are accurate. After 37 years, in the webpage of the World Tortricidae (**Fig.1**), the given information on the species *Aethes spirana* contains a number of misleading statements, i.e., type-locality of the species is “Lepsa”, locating in Kazakhstan (Ata Tau), near the Uighur A.R., **not Turkey**. The original description was based upon a single female; therefore this specimen can only be called as a type (or holotype) as it was already explained by Razowski (1970). Therefore, **Lectotype statement is absolutely incorrect**. The type material was a single female. Male definition is also **wrong**.

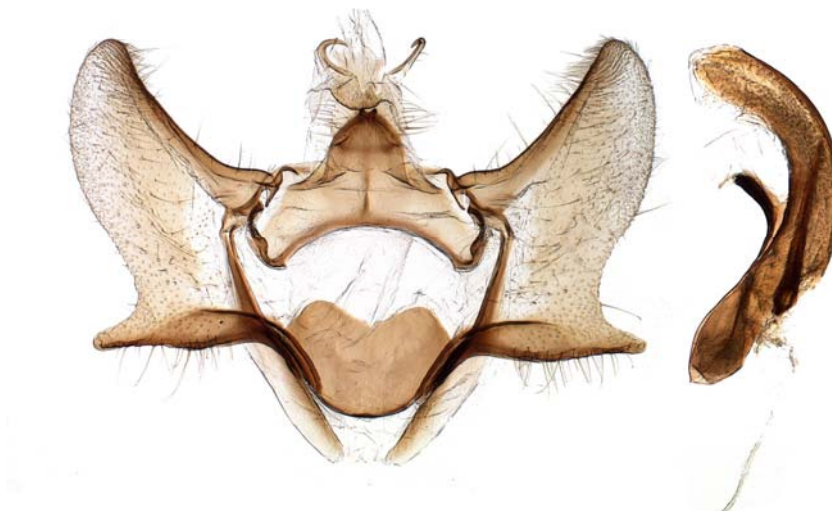
As to the occurrence of *Aethes spirana* in Turkey, this species was found by the authors in Çatak district of Van Province (East Turkey) in 2004. Later, it was reported by the authors from Van or Turkey over and over (Koçak & Kemal, 2006: 165 nr 4504; Koçak & Kemal, 2007: 134 nr.5938; Koçak & Kemal, 2007a: 1042 nr. 75933, 1845 nr. 3127; Koçak & Kemal, 2008b: 6 nr.42; Koçak & Kemal, 2009: 231 nr. 4246; Koçak, Kemal & Kayci, 2011: 33 nr 1098; Koçak & Kemal, 2012: 313 nr 4747; Koçak, 2014: 287 nr. 4816; Koçak & Kemal, 2015: 4117 nr 76324). Unfortunately, some specialists show inefficient performance in pursuing our publications. Inevitably, this case only saddens us. For example, Razowski (2009) reported *Aethes spirana* from

“Kazakhstan, Uzbekistan, Tadzhikistan, C. Asia: Alexander Mts; Iran”, not from Turkey. Therefore, we emphasize this important faunal record once more (**Figs. 2-4**).

**Material studied:** 5 ♂♀. Turkey, Van Prov., Çatak 3km NNE 1500m, 21 6 2004, M Kemal & A Koçak (Cesa) (GP2273♂, 2274♀). The species was also observed from Çatak Darboğaz in the evening, on 6 6 2004 (**Fig. 73**).



**Fig. 2** – *Aethes spirana*, East Turkey, Van Prov., Çatak, Darboğaz (65Dg) 6 6 2004 M Kemal & A. Koçak leg (Cesa)



**Fig. 3** – *Aethes spirana*, male genitalia (GP2273), Çatak 3km NNE, dissection & photography by M. Kemal (Cesa)



**Fig. 4** - *Aethes spirana*, female genitalia (GP2274), Çatak 3km NNE, dissection & photography by M. Kemal (Cesa)



### On the early stages of *Exophila rectangularis* in Çatak district

During an excursion to Çatak district, the authors recorded a young caterpillar feeding on the leaves of *Celtis glabrata* (*Ulmaceae*) (**Figs. 5-7**). Pictorial results of the larval development in the laboratory are given below. Larval food-plant, *Celtis glabrata* is the first record for the population of *Exophila rectangularis* in Turkey.



**Fig. 5** – young larva on the leaf of *Celtis glabrata*



**Fig. 6** – full grown larva on the leaf of *Celtis glabrata*



**Fig. 7** – *Exophila rectangularis*, emerged from pupa on 15 6 2012, M Kemal (Cesa)



### On the early stages of *Melitaea arduinna* in Çatak district

During an excursion to Çatak district, the authors recorded young caterpillars feeding on the leaves of *Centaurea behen* (Asteraceae). First author reared these larvae under room conditions until the butterflies emerge. Development stages of this species are illustrated below (Figs. 8-11):



**Fig. 8** – *Melitaea arduinna* on *Centaurea behen* leaves, collected on 12 5 2012 from South of Çatak, M. Kemal (Cesa)

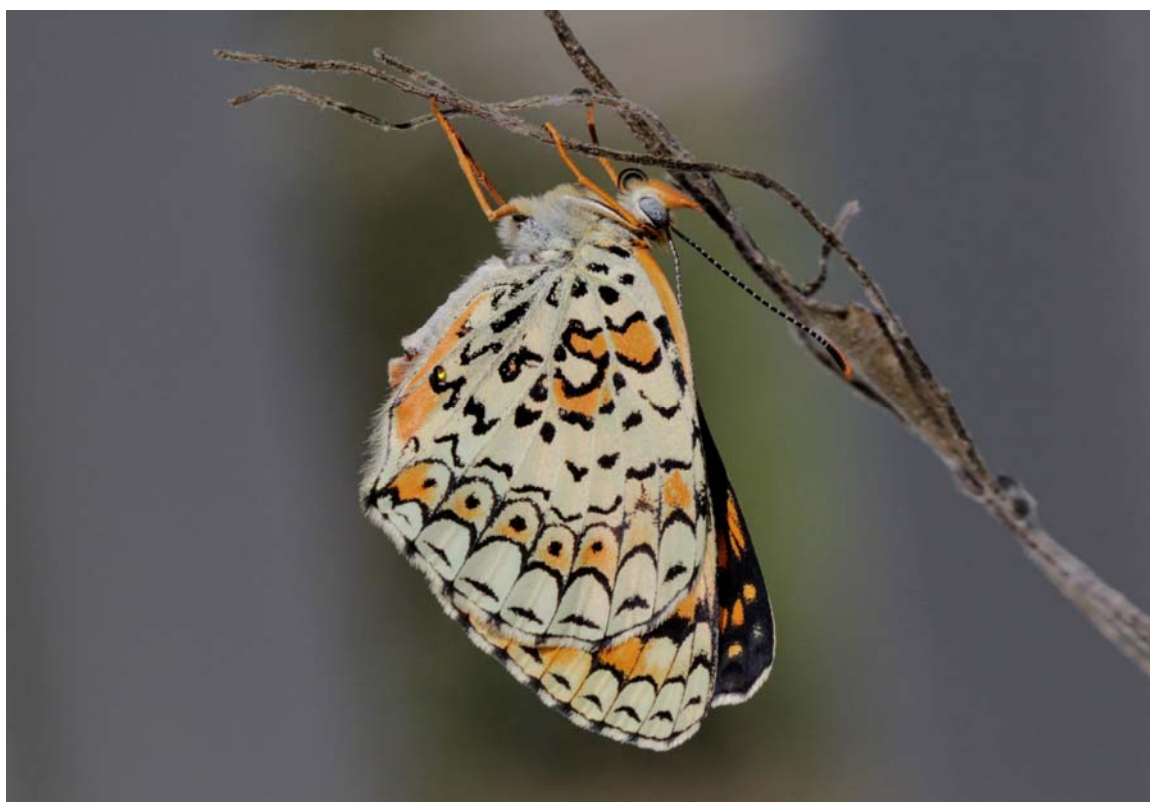


**Fig. 9** – *Melitaea arduinna* on *Centaurea behen* leaves, full grown larva on 19 5 2012, M. Kemal (Cesa)





**Fig. 10** – *Melitaea arduinna*, pupa on 23 5 2012, M. Kemal (Cesa)



**Fig. 11** – *Melitaea arduinna*, emerged male ex pupa on 7 6 2012, M. Kemal (Cesa)

### On the early stages of *Archips xylosteanus* in Çatak district

During an excursion to the South of Çatak district (Çılga, 1500m) the authors recorded young Leaf Roller caterpillars feeding in the rolled-leaves of *Juglans regia*. First author reared this larva under room conditions until the moth emerges. Development stages of this species are illustrated below (**Figs. 12-16**):



**Fig. 12** – Rolled leaf of *Juglans regia*, with a young caterpillar of *Archips*. Turkey, Van Prov., Çatak, Çılga 1500m, 11 5 2013, M. Kemal (Cesa)



**Fig. 13** – Rolled leaf of *Juglans regia*, with a young caterpillar inside. 16 5 2013, M. Kemal (Cesa)





**Fig. 14** – A young caterpillar of *Archips xylosteanus* in captivity. 16 5 2013, M. Kemal (Cesa)



**Fig. 15** – A pupa of *Archips xylosteanus* with dorsal, ventral and lateral sides. 22 5 2013, M. Kemal (Cesa)





Fig. 16 – *Archips xylosteanus*, emerged moth from pupa in captivity on 10 6 2013, M. Kemal (Cesa)

## Annotated list of the Lepidoptera of Çatak district (Van Province, East Turkey)

### Butterflies

- 1) **Aglais urticae (Linnaeus,1758)** (Argynnidae) Synonym(s): *urticae* Linnaeus,1758; *opima* Verity,1919; *variegata* Querci,1932; *strandii* Verity,1936. Original Reference: *Papilio urticae* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 477. Type(s): [Sweden (Verity,1950)]. Range (in code): **AL Bn Kts AT Ba BE BG BY CH CN Co CZ DE Dj DK EE ES FI FR GB GR HU IE Ii IS IT KG LB LT LU LV MK MN NL NO PL PT RO RU Sa SE Sem SI Si SK Sm So Sr Ti Tk TR T-S UA Ui Uk VI YU Cw Dv Smt H-W Sur Ssx Ken Sr So Tt Sb Ch Kg Or Uk Aq Rk Kt Pp Kw Ty Om Pw No To Mu Kuz Sli At Mn Sp Tk As Tm Db Buc Ssn Tar Sau DsA TrA Ax KuA TeA Um Ku Kml Adu IQ IR Ab Jal Ak Elb Th Mz Kh GG AM AZ Smt Bku Cc US Msc Ny Arr Nra 01 02 03 04 05 06 07 08 10 11 12 13 14 16 17 18 19 21 22 23 24 25 26 28 29 30 31 32 33 34 35 36 37 38 39 42 43 44 46 49 50 51 52 53 55 56 58 60 61 62 65 66 69 70 73 74 75 76 78 81 04D 04Db 05A 06D 06G 06H 06R 06Rd 12B 13A 13Ab 13Ax 13B 13Bg 13G 13Gs 13Gv 13Gw 23D 23Dc 25C 25Ca 25F 25Fa 25Fb 25Fc 30B 30Bb 30Ba2 30Bk 30Bp 30C 30Ca 30D 30Dx 31M 39C 46G 46Gf 49E 49Ea 49F 49Fd 56F 56Fc 58G 58Ga 58R 62G 62Ga 65B 65Bk 65Bx 65D 65Dc 65Dc 65Dd 65Df 65Dk 65Dr 65Drb 65E 65Eb 65G 65Gd 65Ge 65Gv 65Gz 65F 65Fg 65Fj 65Fp 65Fq 65F2 65Fz 65K 65Kl 65Kg 65N 65Nk 65Nr2 65Nm 66A 66P 66Pa 73A 73Ae 75F 75Fg 75Fj**
- 2) **Argynnis (Fabriciana) niobe (Linnaeus,1758)** (Argynnidae) Synonym(s): *niobe* Linnaeus,1758 Original Reference: *Papilio niobe* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 481. Type(s): [Sweden (Verity,1950)]. Range (in code): **Kz Elb Dam Gor AL Am At Sj Kts AT Aty Ba BE BG BY CH CN CZ DE DK EE ES FI FR GR HU Ir IT KG KK Kr LB LT LU LV MK MN NL NO PL PT RO RU Sb SE Si SK Sm So Sr Sz TR UA Ui Ku Um Adu Uk VI YU Sau Tar DsA TrA KuA Ax Ket T-S AM GG AZ IQ IR IL TM Kp TJ His Drw Pm Al Mu Nv Ord Tbl Smt Bjo Cc Ab Jal Mz Gls Kh AF Bd Bqu Prw Pnj 01 03 04 05 06 07 08 11 12 13 14 15 16 18 23 24 25 27 29 30 31 32 33 35 36 38 39 42 43 44 46 47 48 49 50 51 53 56 58 60 61 62 65 66 69 71 70 73 74 76 80 04D 04Db 05A 06B 06H 06K 06P 06R 06Rd 06V 06Z 12A 12Ab 13A 13Ab 13Af 13Ax 13G 13Gv 13Gw 23E 23I 23Ia 23Ib 23M 24E 24Ea 25F 25Fa 25Fb 25Fc 27C 29A 29Ae 30A 30Aa 30B 30Bc 30Bx 30Bg 30Bf 30Bj 30Bq 30D 30Dj 31M 33K 33O 44E 44Ej 44L 44Lc**

46F 46Fc 46G 46Gf 49E 49Ea 49F 49Fd 56F 56Fc 62G 65B 65Bo 65Bx 65D 65Dd 65Dda 65Df 65Dj 65Dl 65Dlc 65Dk 65Dm 65Do 65Du 65Dü 65Dn 65F 65Fe 65Fg 65Fh 65Fj 65G 65Gb 65K 65Kö 65Kg 66A 66P 66Pa 80B 80Bc

- 3) **Argynnis (Pandoriana) pandora** ([Denis & Schiffermüller],1775) (Argynnidæ) Synonym(s): *pandora* [Denis & Schiffermüller],1775; *maja* Cramer,1775 nec *Fabricius*,1775; *cynara* *Fabricius*,1777; *cyrnea* *Schwerda*,1926; *transcaucasica* *Moucha*,1967; *deserticola* *Gross & Ebert*,1975. Original Reference: *Papilio pandora* [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 176. Type(s): Austria: Vienna district. Range (in code): AF AL AM At AT AZ BG B-H BY CH CN Cn Co Cr CZ DZ DE EE ES Fe FR GG GR HU HV IQ IR IT LB Kr MA MK PL PT RO RU Sa Si SK Sr SS TJ Pm TM TN TR T-S UA Ui UZ VI YU Z-G LAT Wn SY Aq Uk KG Nym Buc Ktm Sau Tar DsA Ket Bog Tu TeA KuA TrA Tm Ax KK Um PK Gg Ci Adr Mu Mui8 Um Ae CY T-S Ab Oru Elb Th Mz GlS Nv Ord Tbl Bjo Smt Cc Mos Lbs Agi Blid Taz Dju Tth Mage Abe Dje Khh Sbd Orn Tlm Hrh Dzc Azr 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 20 21 22 23 24 25 26 27 29 30 31 32 33 34 35 36 37 38 39 40 42 43 44 46 47 48 49 50 51 52 53 55 56 58 60 61 62 63 65 66 67 69 70 71 72 73 74 76 77 78 80 81 04D 04Db 05A 06B 06C 06G 06H 06K 06N 06P 06R 06Rd 06V 06Z 09K 09Ka 12A 12Aa 12B 13A 13Ab 13Ax 13C 13Cd 13G 13Gs 13Gv 13Gw 14I 14Ib 21K 21N 21Nb 21P 21O 23D 23De 23E 23I 23Ia 23Ib 23M 25F 25Fa 27C 27Cb 29A 29Ae 30B 30Br 30D 30Dx 31F 31Fb 31M 33O 36F 36Fb 38H 38Hc 39C 44A 44Ab 44F 44Fb 44L 44Lc 44O 44Oi 46F 46Fc 46Fe 46Fi 46G 46Gi 46L 49E 49Ea 56F 58G 58Ga 58Gi 58R 58Rb 65Bx 65D 65Dk 65Dm 65Do 65Dr 65Drb 65G 65Gd 65Ge 65F 65Fe 65Fg 65Fj 65Fi 65Fu 65Fç 65Fp 65Fz 65K 65Kg 65Kl 65Kö 65Ks 65Ku 65Kz 66A 66P 66Pa 72E 72Ec 72Eg 72F 73A 73Ad 73Ad2 73D 73Db 76Bf 76Bh 76C 76D 76Da 76Dg 78D 78Da 80A
- 4) **Argynnis (Speyeria) aglaja** (Linnaeus,1758) (Argynnidæ) Synonym(s): *aglaja* *Linnaeus*,1758; *charlotta* *Haworth*,1802; *emilia* *Acerbi*,1802 nec *Cr.*,1779; *caroletta* *Jermyn*,1827; *locuples* *Verity*,1919 nec *Butler*,1879; *emilocuples* *Verity*,1919; *locupletata* *Verity*,1922; *montesignum* *Sagarra*,1926. Original Reference: *Papilio aglaja* *Linnaeus*,1758, Syst. Nat. (Edn.10) 1: 481. Type(s): [Sweden (*Verity*,1950)]. Range (in code): AM AL At Bn Kts AT Aty Ba BE BG BY CH CN CZ DE DK EE ES Mu FI FR GB GG GR HU IE IT Ju KG KK LT LU LV MK MN NL NO PL PT RO RU SE Si SK Sm So Sr St TR T-S UA Ui Uk VI YU Cw Dv Smt H-W Sur Ssx Ken Sau Tar DsA TrA KuA Ax PK Ci Nwf Arr Geg Smt Akh Bku Bjo Sva Cc IR Ab Lkr Azr Ifr 01 03 04 05 06 07 08 10 11 13 14 16 18 24 25 26 28 29 30 31 32 33 34 36 37 39 42 43 46 50 51 52 53 57 58 60 61 62 65 66 67 69 74 75 76 78 05A 06G 06R 06Rd 13G 13Gv 14I 14Ib 25F 25Fa 29A 29Ae 30B 30Ba 30Bc 30Bx 30D 30Dt 31F 31Fb 36F 36Fb 62G 62Ga 65D 65Do 65F 65Fj 65Fi 65Fz 66A 66P 66Pa 75F 75Fe 75Fi 78D 78Da
- 5) **Argynnis (s.str.) paphia** (Linnaeus,1758) (Argynnidæ) Synonym(s): *paphia* *Linnaeus*,1758; *valesina* *Esper*,[1798]; *magnata* *Verity*,1919; *revelata* *Verity*,1934; *magnifica* *Verity*,1919; *magnificamagnata* *Verity*,1950. Original Reference: *Papilio paphia* *Linnaeus*,1758, Syst. Nat. (Edn.10) 1: 481. Type(s): [Sweden (*Verity*,1950)]. Range (in code): Ae AL Am At Kts AT Ba BE BG B-H BY CH CN Co CZ DE DK EE ES FI FR GB GR HU HV IE Ir IT JP Kb Kc KG KK KP Kr LT LU LV MK MA MN Mn NL NO Or PL PT RO RU Sa Sb SE Sh Si SK Sm So Sp Sr SS TR Arr T-S UA Ui Um Adu Uk VI Ya YU Cw Dv Smt H-W Sur Ssx SY Kuz Sli Tar Ket DsA Sa DZ Mu Bn KuA TrA IQ Ama IR Ab Gh Mz Elb Cc AM GG AZ Geg Len Smt Bjo Aj Dja Dju Sbd Btna Lbs Clo Blid 01 02 05 06 07 08 09 10 11 13 14 16 17 24 25 29 30 31 32 33 34 35 36 37 39 41 42 43 46 48 52 53 55 60 61 62 65 67 73 74 75 76 77 78 80 81 05A 06R 13C 13Cd 13G 13Gy 25F 25Fa 30A 30Aa 30B 30Bf 30Bg 30Bj 33H 36F 36Fb 39C 46G 46Gf 56F 65D 65Do 73A 73Ad 73D 73Df 75F 75Fd 80A
- 6) **Brenthis hecate** ([Denis & Schiffermüller],1775) (Argynnidæ) Synonym(s): *hecate* [Denis & Schiffermüller],1775; *harmothoe* *Fruhstorfer*,1917; *florida* *Verity*,1919; *stricta* *Verity*,1933. Original Reference: *Papilio hecate* [Denis & Schiffermüller], 1775, Ankündigung syst. Werkes Schmett. Wienergegend: 179. Type(s): [Austria]: Vienna district. Range (in code): Buc At Bn Al AT Ba BG BY CZ ES Mu FR GG Aj AM Arr Da Cc GR HU IT IR Ak Kr LT MK RO RU SK Sm Sr TR Arr UA VI YU LAT Wn T-S KG Pm Sb Ur Nym Tar Sau TrA DsA Aa Tk Tu TM Kp CN Ui Ab 03 05 06 08 10 13 16 23 24 25 29 30 34 36 37 39 42 44 49 58 60 62 65 66 69 70 73 74 75 76 05A 06G 06K 06R 13G 13Ga 23I 23Ib 25F 25Fa 25Fb 29A 29Ae 30B 30Be 30Bg 49E 49Ea 58G 58Gi 65D 65Dc 65Do 65F 65Fb 65Fe 65Fz 65K 65Kb 65Kc 65Kl 66P 66Pa 75F 75Fc 76C
- 7) **Brenthis mofidii** *Wyatt*,1968 (Argynnidæ) Synonym(s): *mofidii* *Wyatt*,1968 Original Reference: *Brenthis hecate* ssp. *mofidii* *Wyatt*,1968, Z. Wien. ent. Ges. 53: 30, figs. Holotype ♂: Iran: Elbursgeb.: Darband, 2250m (in coll. *Wyatt*) Range (in code): Elb IR Ab Mz TR IQ Er Ry 30 65 30A 30Aa 30B 30Ba1 30Bc 30Bx 30Bf 30Bg 30Bj 30Bq 30C 30Ce 30D 30Da 30Db 30Df 30Dt 65D
- 8) **Eupatura mirza** *Ebert*,1971 (Argynnidæ) Synonym(s): *mirza* *Ebert*,1971; *iwasei* *Igarashi*,1971. Original Reference: *Eupatura mirza* *Ebert*,1971, Beitr. naturk. SüdwDtl. 30(1): 66-69, figs.1-4, Pl.1, figs.1-3. Holotype ♂: Iran: Avaj, nordöstl. Hamadan. Range (in code): IQ Ama IR Ha Km TR 13 30 56 65 72 73 13C 13Cf 13Cb 30A 30Ab 30B 30Bc 30Bx 30Bf 30Bj 30Bo 30Bq 30D 30Df 30Dfa 30Dx 56A 56E 65D 65Di 65Dh 65Dl 65Dlc 65Dk 65Dj 65Dm 65Do 65Dra 65Dv 65Dx 72E 72Eb 72Ef 72Eg 73A 73Aa 73Ab 73Ac 73Ag 73B
- 9) **Euphydryas (Eurodryas) aurinia** (*Rottemburg*,1775) (Argynnidæ) Synonym(s): *aurinia* *Rottemburg*,1775; *artemis* [Denis & Schiffermüller],1775; *lye* *Bergsträßer*,[1779]; *koloswarensis* *Piller & Mitterpacher*,1783; *scotica* *Robson*,1880; *signifera* *Kane*,1893; *anglicana* *Fruhstorfer*,1917; *acedia* *Fruhstorfer*,1917;

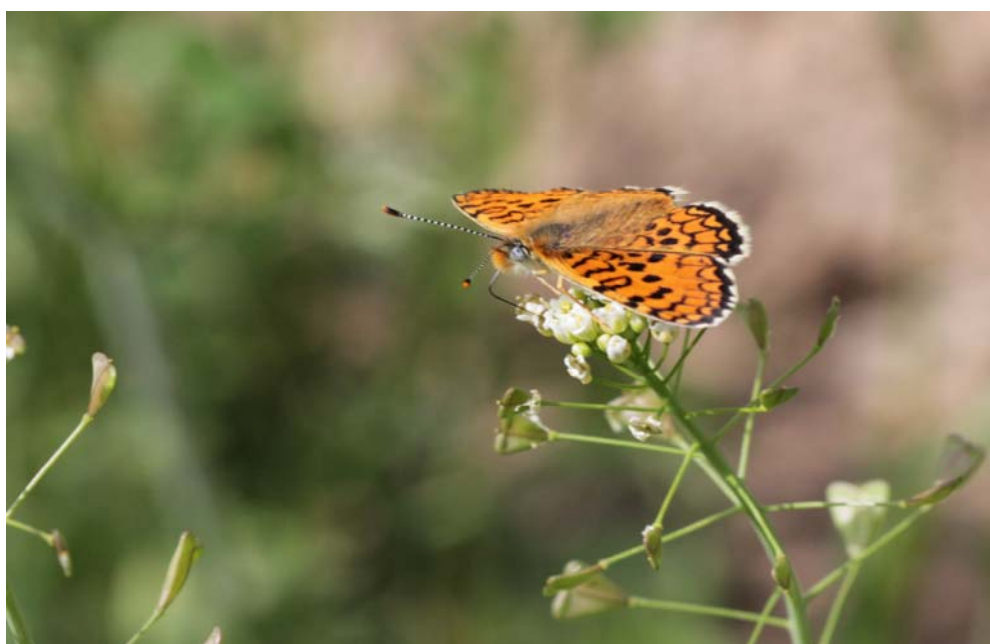


*pychanpar Lastukhin,2007* Original Reference: *Papilio aurinia* Rottemburg,1775, Naturforscher 6: 5. Type(s): France: Paris. Range (in code): AL Alt Bn At Kts AT Ba BE BG BY CH CN CZ DE DK EE ES Mu FI FR GB GR HU IR Ab Oru Elb Th IE IT Kno KP Kr LT LU LV MK NL PL PT RO Rth RU SE SK Sm So Sr TR Arr Ts UA Ui VI YU Cw Dv Smt H-W Sur Ssx Ken Ts Kno Rth Cc DZ MA Agi Berr Blid Ifr 05 06 08 14 16 18 25 29 30 34 36 39 46 53 58 59 62 65 69 73 75 76 05A 06G 06R 06V 14I 14Ib 25F 25Fa 25Fb 25Fc 30D 30Dt 65D 65Dç 65Dk 65Fz 75F 75Fb 76C 76D 76Dd

- 10) **Issoria lathonia (Linnaeus,1758)** (Argynnidae) Synonym(s): *lathonia* Linnaeus,1758; *saturata* Röber,1897; *hungarica* Aigner-Abafi,1906; *florens* Verity,1916; *emiflorens* Verity,1919; *attenuata* Sagarra,1926; *nigroprivata* Verity,1933. Original Reference: *Papilio lathonia* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 481. Type(s): [Sweden (Verity,1950)]. Range (in code): Adr AF AL At Kts AT Ba BE BG B-H BY Ch CH CN Cn Co CZ DE DK DZ EE ES FI FR GB GR HU HV IE IR IT KG KK Kr LB Ld LT LU LV MA MK NL NO PK PL PT RO RU Sa SE Sem Si SK Sm So Sr SS TJ Tk TM TN TR T-S UA Ui Uk UZ VI YU NP SI Ken Tm Sau Tar DsA TrA KuA Ax TeA Mu Mu18 T-T Sz Ket PK Ci Nwf Sfk BI MM Abb Mre IQ Cc GG AZ AM Nv MD Tls T-S Ab Ak Ahw Ar Ara B-A Bk Brz Bu By DzF Es Fa Gh Gor Ha Hz Il Kaz Kd Kh Km Kz Lo Ma Mz Qz Se Ss Th Yz Zj Gls Kh Nra Ifr Lkr Dju Agi Lbs Sbd Azr Hr Ng Lgh 01 03 04 05 06 07 08 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 42 43 44 45 46 48 49 50 51 52 53 55 56 57 58 59 60 61 62 65 66 67 69 70 71 73 74 75 76 77 78 80 81 04D 04Db 05A 06A 06B 06C 06G 06H 06K 06N 06P 06R 06Rd 06S 06V 06Z 12A 12Ab 13A 13Ab 13Ac 13Ax 13B 13Bg 13F 13F35 13G 13Gö 13Gğ 13Go 13Gs 13Gv 13Gw 21N 21Nb 21O 23E 23I 23Ia 23Ib 23M 25F 25Fa 27C 27Cb 30D 30Df 31F 31Fb 31M 36F 36Fb 39C 44A 44Aa 44Ab 44L 44Lc 46F 46Fc 46G 46Gi 49E 49Ea 56D 56Dc 56F 56Fn 58G 58Gi 58N 65B 65Bk 65Bn 65Bn1 65Bx 65D 65Dg 65Dj 65Dk 65Do 65Dr 65G 65Gd 65Ge 65F 65Fg 65Fh 65Fd 65Fe 65Fi 65Fq 65Fs 65Ft 65K 65Kğ 65Ka 65Kc 65Kl 65Kö 65Ks 65Kp 65N 65Nk 65Np 65Nm 66A 66P 66Pa 73D 73Da 73Dg 75F 75Fc 75Fi 75Fj 76A 76Ad 78D 78Da

- 11) **Limnitis (Azuritis) reducta Staudinger,1901** (Argynnidae) Synonym(s): *reducta* Staudinger,1901. Original Reference: *Limnitis camilla* var. *reducta* Staudinger,1901, Cat. Lepid. Palaearct. Faunengeb. 3(1): 22,nr.135a. Syntypes: [Armenia]: Arm. or; [Iran]: Hyrc. Lectotype ♂: Azerbaidjan: Hankynda, designated by Wagener,1995, Die Tagfalter der Türkei: 978. Range (in code): Ae AL AM AT AZ BG B-H BY CH Co CZ DE ES Mu FR GG Cc GR HU HV IL IQ IR Ab Ak Elb Fa Gls Kh IT JO Kp LB LU MK NL Rd RO RU Sa Si SK Sm Sr SS SY TM TR UA YU CY 01 02 03 05 06 07 08 09 10 11 13 14 15 16 17 18 20 21 22 23 24 25 26 27 29 30 31 32 33 34 35 36 37 39 42 43 44 45 46 48 49 50 51 52 53 55 56 58 59 60 62 65 66 67 71 72 73 75 76 77 78 05A 06B 06C 06G 06K 06P 06R 06Rd 06V 13C 13Cd 13Cf 13Cg 13G 13Gy 21N 21Nb 21O 23Ib 25F 25Fa 25Fb 25Fc 27C 27Cb 30B 30Bo 30Br 31B 31L 31La 33K 36F 36Fb 39C 45L 45La 46F 46G 48A 48Ah 48D 49F 49Fc 56F 65D 65Dk 65Dl 65Do 65F 65Fc 65Fd 65Fu 65K 65Kğ 66A 72E 72Ec 73A 73Ad 73Dg 73Df 75F 75Fd 76D 76Da 78D 78Da

- 12) **Melitaea (Cinclidia) collina Lederer,1861** (Argynnidae) Synonym(s): *collina* Lederer,1861 Original Reference: *Melitaea collina* Lederer,1861, Wien. ent. Monatschr. 5: 148, pl.1 figs.4,5. Syntypes: [Türkei]: Antiochia [=Antakya]. Range (in code): IL Pa IQ Shq LB SY TR IR Ab 01 21 23 24 27 30 31 33 44 46 56 62 63 65 73 80 21L 21Le 21Lf 21Ld 21N 21Nb 21Nh 21P 23I 23Ia 23Ib 27C 31M 31F 31Fb 33K 46G 46Gi 56F 62G 62Ga 63E 65D 65Dk 65Dt 65Dn 65K 65Kğ 73A 73Aj 73Ak 80B 80Bc (Fig.17)



**Fig. 17** – *Melitaea collina*, a male feeding on the flowers of *Cardaria* (Brassicaceae) Turkey, Van Prov., Çatak Dalbastı 1600m 19 5 2012, M. Kemal (Cesa)

- 13) **Melitaea (Cinclidia) ornata Christoph,1893** (Argynnidae) Synonym(s): *ornata* Christoph,1893; *uralensis* Krulikowsky,1897 nec Evers.,1844; *ufensis* Krulikowsky,1902; *lokris* Fruhstorfer,1908; *telona* Fruhstorfer,1908; *amanica* Rebel,1917; *emipunica* Verity,1919; *punicata* Ragusa,1919; *dorae* Graves,1925; *nigrogylia* Verity,1939; *enoch* Higgins,1941; *#asciata* Wiltshire,1946; *capreola* Varga,1967; *kovacs* Varga,1967; *abbas* Gross & Ebert,1975 Original Reference: *Melitaea phoebe* var. *ornata* Christoph,1893, Dt. ent. Z., Iris 6: 87. Type(s): [Russia]: Südural: Guberla. Range (in code): BG Slv Rh Bgz He ALb IL Pa Hf JO LB Elb Th Bk Fa Ke TR Cc SY IQ Ama Hjo IR Shr At Bn Ao Bs KG Or RU Sr Tt Uk VI TR HU o1 o2 o3 o5 o6 o7 o8 10 12 13 15 16 17 18 19 20 21 23 24 25 26 27 28 29 30 31 32 33 35 36 38 41 42 43 44 46 48 49 50 51 55 56 58 60 62 65 66 68 69 70 71 73 76 80 o5A o6B o6C o6G o6H o6K o6N o6Ne o6P o6R o6Rd o6S o6V o6Z 13C 13Cm 13F 13G 21L 21Le 21Lf 21N 21Nb 21O 27C 27Cb 30B 30Bc2 30Bx 31F 31Fb 33K 36F 36Fb 44E 44L 44Le 49E 49Ea 56F 56F1 56fg 56Fp 56Fm 56Fy 56Fs 58C 58G 58Ga 58Gi 62H 65D 65Dc 65Dr 65Drb 65F 65Fz 65Fç 65N 65Np 65Np7 65Nm 66A 66P 66Pa 73D 73Dg 76D 76Dğ 80B 80Bd (Fig.18)



Fig. 18 - *Melitaea ornata*, male. Turkey, Van, Çatak Saklıvadi 2000m, 8 6 2015, M. Kemal (Cesa)

- 14) **Melitaea (Cinclidia) phoebe (Goeze,1779)** (Argynnidae) Synonym(s): *#phoebe* [Denis & Schiffermüller],1775; *phoebe* Goeze,1779; *paedotropos* Bergsträßer,[1780]; *tremulae* Piller & Mitterpacher,1783. Original Reference: *Papilio phoebe* Goeze,1779, Ent. Beyträge 3 (1); 365. Range (in code): Ae AL Ao At Bn Kts AT Ba BE BG B-H Bw BY CH CZ DE EE ES Mu FR GR HU HV IT KG Kr LT LU LV MK PL PT RO RU Si SK Sm So Sr SS TR UA Uk VI YU CN Ui Um Tar Sau Dsa TrA KuA T-S Arr Nv Ord Smt Bjo AM AZ GG Cc IR Ab MN o1 o4 o5 o6 o8 10 11 13 14 16 17 22 23 24 25 26 27 30 31 33 34 36 39 41 42 44 46 50 51 55 58 59 60 61 62 65 66 69 71 73 75 77 78 80 o5A o6B o6R o6Rd o6V 25F 25Fa 25Fb 25Fc 30B 30Bc 30Bc2 30Bx 31F 31Fb 33K 65D 65Dç 65Dd 65Dda 65Df 65Dl 65Dlc 65Dk 65Dm 65Do 65Dp 65F 65Fp 65Fe 65Fz 65K 65Kl 65D 65Dc 65Dç 65Dd 65Dda 65Df 65Dl 65Dlc 65Dk 65Dm 65Do 65Dp 65F 65Fç 65Fd 65Fg 65Fh 65Fm 65F2 65Fz 65K 65Kc 65Kl 65Kz 65Kg 66A 72E 72Eh 75F 75Fc 80C
- 15) **Melitaea (Didymaeformis) didyma (Esper,[1779])** (Argynnidae) Synonym(s): *didyma* Esper,[1779]; *cytheris* Müschen,1781; *neera* Fischer de Waldheim,1840; *meridionalis* Staudinger,1861; *occidentalis* Staudinger,1861; *dalmatina* Staudinger,1861; *graeca* Staudinger,1870; *jaika* Krulikowsky,1897; *kasanskyi* Krulikowsky,1901; *mauritanica* Oberthür,1909; *mauretanica* Oberthür,1909; *patycosana* Turati,1911; *nisseni* Rothschild,1913; *interposita* Rothschild,1913; *oreithyia* Fruhstorfer,1917; *druentia* Fruhstorfer,1917; *lesora* Fruhstorfer,1917; *naina* Fruhstorfer,1917; *tarlona* Fruhstorfer,1917; *seilemis* Fruhstorfer,1917; *marsilia* Fruhstorfer,1917; *cataprotea* Verity,1929; *libanotica* Belter,1934; *montium* Belter,1934; *variabilis* Belter,1934; *pontifex* Bryk,1940; *pfeifferi* Bryk,1940; *orinomus* Rüttimeyer,1942; *boschmai* Eisner,1942; *ibra* Higgins,1964; *pseudolatonigena* Yakovlev,2002 Original Reference: *Papilio didyma* Esper,[1779], Die Schmett. 1: 365. Type(s): [Germany]: Bavaria: Uffenheim. Range (in code): Ae AL AM Ao Bn At AT AZ Ba BE BG B-H BY CH CZ DE EE ES Mu Abr FR GG GR HU HV Ii IL IQ IT Kr LB LT LU LV MK NL PL PT RO RU Tv Ry Si SK Sm So Sr SS TR UA Uk VI MA DZ TN KK TeA KG TJ UZ AF CN Ui Ku MN T-S Ax KuA TrA Ket Mrk Sau Tar Sp Bg Hk Pm Ui Ku Cc Arr SY IL He Pa Hf Bsa Btma Sbd Eba Mkn Ouk Dju Tlm



BSa DhM Lbs Hrh Orn Phv Clo Azr 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23  
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 46 47 48 49 50 51 52 53 54 55 58 60 61  
62 63 64 65 66 67 68 69 70 71 72 73 74 76 78 80 04D 04Db 05A 06B 06G 06H 06K 06N 06Na 06P 06R  
06Rd 06V 06Z 12B 13F 13G 13Gv 13Gw 14I 14Ib 18F 21K 21O 23C 23Cc 23D 23De 23I 23Ia 23Ib 23E  
23M 25F 25Fa 25Fb 27C 27Cb 30B 30Bc2 30Bx 31F 31Fb 31M 36F 36Fb 38H 38Hc 39C 44A 44Ab 44E  
44O 44Oc 44L 46F 46Fc 46Fg 46G 46Gf 46Gi 49E 49Ea 49Ec 58C 58N 58R 58Rb 62D 62E 62F 62G  
62Ga 63B 65B 65Bo 65Bx 65D 65Dc 65Dd 65Dda 65Dv 65E 65K 65Kb 65G 65Gl 65F 65Fb 65Fc 65Fe  
65Fg 65Fh 65Fl 65Fq 65Ft 65Fz 65K 65Kc 65Kg 65Kl 65Kö 65Ks 65Kü 65N 65Nj 66P 66Pa 72E  
72Eh 72Ei 76D 76Da 78D 78Da

- 16) **Melitaea (Didymaeformis) perseia Kollar,[1849]** (Argynnidae) Synonym(s): *perseia* Kollar,[1849]; *caucasica* Staudinger,1861; *dodgsoni* Grose-Smith,1887; *kaschtschenkoi* Christoph,1889; *paphlagonia* Fruhstorfer,1917; *magnacasta* Verity,1929; *araratica* Verity,1929; *sargon* Hemming,1932; *tauricus* Belter,1934; *hafiz* Higgins,1941; *afghana* Heydemann,1954; *darius* Gross & Ebert,1975; *sangdana* Eckweiler,1981; *jitka* Weiss & Major,2000 Original Reference: *Melitaea perseia* Kollar,[1849], Denkschr. Akad. Wiss. Wien 1: 52. Type(s): [Iran]: Persia [Shiraz]. Range (in code): IQ Su Bgd IR Ab Khy Zj Fa By Ke TR JO AF Kab Bl Nwf Ci Pj PK SY LB IL He Pa Hf Kp TM Cc AZ Nv Ord Arr 02 04 13 21 23 24 25 27 30 36 44 46 47 49 56 62 63 65 72 73 75 76 04B 13A 13Ab 13Af 13Ax 13B 13Ba 13G 13Gv 13Gw 21N 21Nb 21O 23D 23Dvc 23I 23Ib 25F 25Fa 25Fb 30B 30Br 44L 44Lc 46G 46Gi 47D 49E 49Ea 49F 49Fd 56F 62G 62F 63B 63E 63M 65D 65Dc 65Dd 65Dc 65G 65Gm 65F 65Fe 65Fg 65Fh 65Fm 65Fc 65Fw 65Fz 65K 65Kc 65Kd 65Ké 65Kl 65Kö 65Kz 65Kg 65N 65Nj 65Np 65Np1 65Np2 65Np4 65Np5 65Np7 65Np8 65Nr3 65Nr4 65Nm 76A 76Ae
- 17) **Melitaea (Didymaeformis) syriaca Rebel,1905** (Argynnidae) Synonym(s): *syriaca* Rebel,1905; *pseudodidyma* Rebel,1905; *aabaca* Fruhstorfer,1911; *bloetei* Eisner,1942 Original Reference: *Melitaea trivia syriaca* Rebel,1905, Annln. naturh. Mus. Wien 20 (2/3): 194. Lectotype ♂, [Israel], "Syrien, Haifa" (NHMW), designated by Oorschot & Coutsis (2014: 53). Range (in code): LB Bei JO IL Pa Hf He SY TR GR Ae BG 01 02 03 05 06 07 08 09 10 11 12 13 15 16 17 18 19 20 21 22 23 25 27 29 30 31 32 33 34 35 36 37 38 39 41 42 43 44 45 47 48 49 50 51 55 56 57 58 59 60 62 63 65 66 69 70 71 72 73 76 77 80 81 05A 06B 06H 06G 06K 06N 06R 06Rd 06V 06Z 12A 12Ab 12B 13G 13Ga 13Gv 13Gw 21N 21Nb 23C 23Cc 23D 23De 23E 23I 23Ia 23Ib 23M 25F 25Fa 25Fb 25Fc 27C 27Cb 30B 30Bc4 30Bx 31K 31Ka 31F 31Fb 33A 33C 33O 36F 36Fb 39C 44I 44L 44Lc 44O 44Oc 46G 46Gi 46Gf 48A 48Al 48D 49F 49Fd 49E 49Ea 58R 62G 62Ga 63B 63D 65B 65Bk 65Bx 65D 65Dc 65Dd 65Dda 65G 65Gd 65Ge 65F 65Fe 65Fc 65Fp 65Fz 65Fm 65Fq 65Fü 65F2 65K 65Kl 65N 65Nr3 65Nm 66A 66P 66Pa 72E 72Eh 72Ei 76A 76Ac 80B 80Bc
- 18) **Melitaea (s.str.) arduinna (Fabricius,1787)** (Argynnidae) Synonym(s): *arduinna* Fabricius,1787; *rhodopensis* Freyer,[1836]; *uralensis* Eversmann,1844; *evanescens* Staudinger,1886; *#fulminans* Staudinger,1886; *kocaki* Wagener & Gross,1976 Original Reference: *Papilio arduinna* Fabricius,1787, Mant. Ins. 2: 60, nr.577. Type(s): [Russia]: Russia australiori. Range (in code): Aa AF At Bn Ba BG CN Db GR KG KK MK RO RU Sr TJ Tk TR Cc T-S UA Ui UZ JO Buc Nym Ktm Tar Sau DsA TrA Tu Bog Mkk IR Ab Jal Zj Elb Th Lo IQ 01 02 05 07 10 13 21 24 25 27 30 31 32 36 39 42 43 44 46 47 49 56 65 72 73 80 05A 07D 13G 13Gv 21F 25F 25Fa 25Fb 27C 27Cb 30B 30Bc2 30Bx 31M 39G 46G 46Gi 49E 49Ea 56F 65B 65Bk 65D 65Dc 65Dd 65Dda 65Dl 65Dlc 65Dm 65Do 65Dt 65Dn 65F 65Fb 65Fc 65Fe 65Fh 65Fj 65Fq 65Fz 65F2 65F3 65M 65Md 65Nc 65Nb 65N 65Na 65Np 65Ns 65Nm
- 19) **Melitaea (s.str.) cinxia (Linnaeus,1758)** (Argynnidae) Synonym(s): *cinxia* Linnaeus,1758; *abacus* Retzius,1783; *fulla* Quensel,1791. Original Reference: *Papilio cinxia* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 480. Type(s): [Sweden (Verity,1950)]. Range (in code): AL At Bn Kts AT Ba BE BG Hsk B-H BY CH CN CZ DE DK DZ EE ES Mu FI FR GB GR HU HV IT IQ IR Elb Ab Ak Fa Qz Ha KG Kr Ku LT LU LV MK MA MN NL NO PL PT RO RU SE Si SK Sm So Sr SS TR UA Ui Uk VI YU Sau Tar DsA TrA Mz GG AZ AM Nv Arr Ord Smt Bjo Tbl Cc MD T-S Skj Sbd Ouk Azr Ifr 01 02 03 04 05 06 07 08 12 13 14 16 17 18 20 21 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 41 42 43 44 46 47 48 49 50 51 52 55 56 58 60 61 62 65 66 69 70 71 73 74 76 80 05A 06A 06B 06G 06H 06K 06N 06P 06R 06Rd 06S 06V 06Z 12A 12Ab 13A 13Ab 13Ax 13B 13Ba 13Bg 13E 13Ea 13F 13G 13Gö 13Gg 13Go 13Gs 13Gü 13Gv 13Gw 21N 21Nb 23D 23De 23E 23I 23Ia 23Ib 23M 25F 25Fa 25Fb 25Fc 27C 29A 29Ae 31F 31Fb 31M 36F 36Fb 38H 38Hc 44A 44Aa 44E 44Ej 46F 46Fc 46G 49E 49Ea 49F 49Fb 58G 58Ga 58Gi 62G 62Ga 62E 62F 65B 65Ba 65Bn 65Bn1 65Bx 65D 65Dc 65Dc 65Dd 65Dda 65Dr 65Drb 65G 65Gd 65Ge 65F 65Fb 65Fc 65Fc 65Fd 65Fe 65Fg 65Fh 65Fm 65Fz 65K 65Kl 65Kg 65Kö 65Kz 65Ks 65N 65Nr2 65Nr3 65Nr4 65Nr6 65Nr7 65Nm 66A 66P 66Pa 73D 73Dg 76C 76A 76Ab 76D 76Dd
- 20) **Nymphalis polychloros (Linnaeus,1758)** (Argynnidae) Synonym(s): *polychloros* Linnaeus,1758; *testudo* Esper,1781; *pyrrhomelaena* Hübner,1824; *pyromelas* Freyer,1834; *fervida* Standfuss,1896. Original Reference: *Papilio polychloros* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 477. Type(s): [Sweden (Verity,1950)]. Range (in code): Ae AL AM Cc Ao At AT AZ Ba BE BG B-H BY CH Cm Co Cr CZ DE DK DZ Dju Blid ES Mu FI FR GB GG GR HU HV IE IQ IR Ab Elb Mz Gls It KG Kp Kr MA Fr MK MT NO PL PT Rd RO RU Sa SE Si SK Sm So Sr SS TM TN TR UA Uk VI YU Sur SS Ken LB SY PK Ci Nwf Haz Mre CY EE LT LU LV Sbd Mage Agi Orn Anna Blid Btina Khk Ktr DhM Ght Lkr Hrh Dzc 01 03 05 06 07 08 09 10 11 12 13 14 16 17 18 19 20 21 22 23 25 26 27 30 31 32 33 34 35 36 39 40 41 42 43 44 45 46 47 48 50 51 52 56 58 60 62 65 71 73 78 05A 06A 06V 06K 06R 06Rd 12A 12Ab 12Ac 13C 13Cd 13F

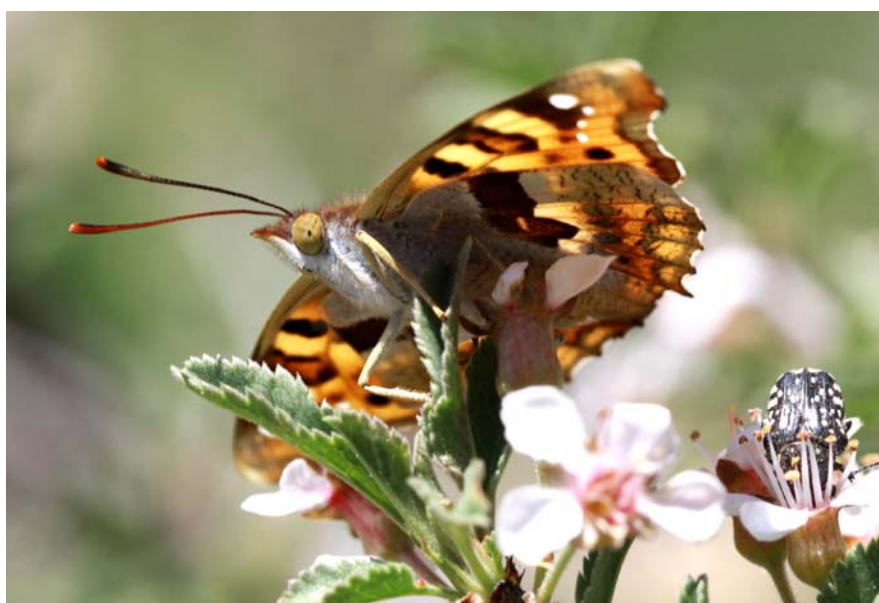
13F33 13G 13Gw 21N 21Nb 25F 25Fa 25Fb 27C 27Cb 31M 36F 36Fb 44E 44Ej 45L 45La 47D 48A 48Ak 56B 56Bb 56F 60C 62G 62Ga 65D 65Dk 65Dv 65Dt 78D 78Da

**21) *Nymphalis xanthomelas* (Esper,[1781])** (Argynnidæ) Synonym(s): *#xanthomelas* [Denis & Schiffermüller],1775; *xanthomelas* Esper,[1781] Original Reference: *Papilio xanthomelas* Esper,[1781], Die Schmett. 1(2): 77, pl.63, fig.4. Type(s): Wien. Range (in code): AF Ng Jla AL AM Cc At Bn AT AZ Ba BG B-H BY Ch CN Cr CZ Dj DK EE FI FR GB GG Smt Bjo GR HU HV IR Ab Zj Elb Mz JP Kab Kbb KG Kr LT LV MK Pag PL Pnj RO RU SE Sem SK Sm So Sr SS Tk TR UA Uk YU Syr Tm Ui Um Kml Sau Tar DsA Ax TrA KuA Kma Ci Wa Bl PK IN T-S 01 05 06 08 12 13 16 21 24 25 30 31 33 34 36 42 46 49 51 56 62 65 69 72 73 76 05A 12A 12Ai 13A 13Ab 13Ax 13C 13Cd 13F 13F35 13G 13Gw 21N 21Nb 25F 25Fa 25Fb 31M 49E 49Ea 56F 56Fb 65D 65Dü 65F 65F1 65Fz 72F 73A 73Ae

**22) *Polygonia (Comma) c-album* (Linnaeus,1758)** (Argynnidæ) Synonym(s): *c-album* Linnaeus,1758; *g-album* Fourcroy,1785. Original Reference: *Papilio c-album* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 477. Type(s): [Sweden (Verity,1950)]. Range (in code): AF AL At Bn Kts AT Ba BE BG BY CH CN Co CZ DE DK EE ES Mu FI FR GB GR HU IT KG Kr LB LT LU LV DZ MA TN MN NL NO PL PT RO RU Sa SE Si SK Sm So Sr Ti TR UA Ui Uk VI YU Cw Dv Smt H-W Sur Ssx Ken GG AZ AM Nv ND MK HV SS B-H MD Cc IQ Ama IR Mz Elb TH CMA Hr Ab GlS Tgr Ouk Dju Agi DhM Hrh Dzc 03 05 06 08 11 13 14 16 17 18 20 21 22 24 25 27 29 30 31 32 33 34 35 36 37 39 41 42 43 44 46 48 49 50 52 53 55 58 59 60 61 62 65 66 73 74 75 76 78 81 05A 06B 06K 06R 13C 13Cd 13F 13F33 13G 13Gv 21N 21Nb 27C 27Cb 31M 39C 46F 46G 46Gf 48F 49E 49Ea 56F 65D 65Do 66A 78D 78Da

**23) *Polygonia (Comma) egea* (Cramer,[1775])** (Argynnidæ) Synonym(s): *egea* Cramer,[1775] (junior homonym); *vaualbum* Esper,1780; *l-album* Esper,1789; *triangulum* Fabricius,1793; *autumnalis* Stefanelli,1873; *#balucha* Evans,1932; *#pallida* Evans,1932. Original Reference: *Papilio egea* Cramer,[1775], Utitl. Kapellen 1: 124; Pl. 78 figs.C,D. Syntypes: [Turkey]: [Istanbul]: Constantinopel; [zmir]: Smyrna (nec *Papilio egea* Fabricius,1775; cf. ICZN Art. 58, Opinion 516. Range (in code): Ae AF AL BG BY CH CN Co Cr FR GR IT LB MK MT Bl PK Haz Mre IN Kma RO RU Sa Si Sr TR UA Ui YU JO IR Ab Elb Mz Th Fa Ss IQ Mos TM Kp Cc AM AZ GG Nv Ord Lag Smt Bjo IL Pa Hf 01 02 04 05 06 07 08 09 13 14 16 17 20 21 23 24 25 26 27 29 30 32 33 34 35 36 37 38 41 42 43 44 45 46 47 48 49 50 51 53 56 58 60 62 63 65 66 68 71 72 73 76 78 80 04D 04Db 05A 06D 06P 06R 13A 13Ac 13G 13Gw 21N 21Nb 23D 23Dc 23l 23la 23lb 23M 23F 25Fa 27C 27Cb 30A 30Ad 30B 30Bc4 30Bx 44E 44L 44Lc 46F 47D 47F 48A 48Aa 49E 49Ea 56F 56Fb 58G 58Ga 58Gi 62G 62Ga 62F 63B 65B 65Bn 65Bn1 65D 65Dc 65Dc1 65Dk 65Dl 65Dla 65Dm 65Do 65Dv 65G 65Gb 65Gt 65F 65Fb 65Fç 65Fd 65Fe 65Fz 65K 65Kl 65Kg 65N 65Np 65Nm 66P 66Pa 80B 80Bc

**24) *Thaleropsis ionia* (Eversmann,1851)** (Argynnidæ) Synonym(s): *ionia* Eversmann,1851; *ammonia* Herrich-Schäffer,1851. Original Reference: *Vanessa ionia* Eversmann,1851, [in] Fischer de Waldheim & Eversmann, Entomographia Imp. ross. 5: 111, pl.13, figs.1,2. Lectotype ♂: [Turkey]: Amasia (Nekrutenko,1995 [in] Hesselbarth et al., Die Tagfalter der Türkei: 970). Range (in code): Kas Cc AM GG GR IQ Slf AZ Ord Nv IR TR 03 05 06 07 08 13 21 23 24 25 28 30 32 33 42 44 47 48 56 58 60 62 65 70 73 05A 06R 13F 13G 13Gf 21L 21Le 21N 21Nb 25F 25Fa 33A 44F 44Fb 44O 44Oc 56F 62F 65Bx 65D 65Di 65Dw 65Dj 65Dl 65Dk 65Dv 65Dm 65Do 65Dob 65Dr 65Drb 65Dw 65Dü 65G 65Gd 65Ge 70B 73A 73Ad 73Ad2 73Ak (Fig.19)



**Fig. 19** – *Thaleropsis ionia*, at rest. Turkey, Van Prov., Çatak Dalbastı 1600m, 29 4 2012, M Kemal & A Koçak (Cesa)



- 25) Vanessa (Cynthia) cardui (Linnaeus,1758)** (Argynnidae) Synonym(s): *cardui* Linnaeus,1758; *carduelis* Cramer,1775; *elymi* Rambur,1829; *kershawi* McCoy,1868; *pallida* Schøyen,1881; *japonica* Stichel,1908; *universa* Verity,1919; *takesakiana* Kato,1925; *jacksoni* Clark,1927 Original Reference: Papilio *cardui* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 475. Syntypes: Europa, Africa [Sweden (Verity,1950)]. Range (in code): Ad Ae Af Al As At Az Be Bg Bh By Ch Ch Cn Co Cr Cy Cz De Dh Dk Ee Es Fi Fr Gb Gr Hd Hj Hu Ie Il In Iq Ir Is It Jo Kg Kk Kw Lb Ld Lt Lu Lv Mn Mt Mu Nf Nj Nl No Ph Pk Pl Pt Qa Rd Ro Ru Sa Se Si Sk Sy Ti Tj Tm Tr T-S Ua Ui Uz Ye Yu Ss Hv B-H Mk Mt Ao Bf Bi Bj Bw Bz Cf Cg Ci Cm Cn Dj Dj Dz Eg Eh Er Et Fp Ga Gh Gm Gn Go Gw Ke Km Lr Ls Ly Ma Mg Ml Mr Mw Mz Na Ne Ng Rw Sc Sd Sem Sl Sn So St Sz Td Tg Tk Tn Tz Ug Za Zm Zr Zw Cw Dv Smt H-W Sur Ssx Ken Cy Ly Kts Tm Ci Um Sau Tar DsA TeA KuA TrA Ket Bn Ar Mu Mu18 GG AZ Nv AM MD NP Ab Ak Ahw Ar Ara B-A Bk Brz Bu By DzF Es Fa Gh Gor Ha Hz Il Kaz Kd Kh Km Kz Lo Ma Mz Qz Se Ss Th Yz Zj Ke Luz Mno Neg Pal US MX Aks Alb Arz Cf Cnt Col Dw Fl Ge Id Idp Iln Io Kan Knt Lou Mai Mch Mis Mns Mon Mrl Msc Mss NCa NDk NMx Ne Neb Nh Nje Ny Oh Ok Org Pns RDi SDk Tnn Tx Ut Vi Vr WVi Wc Ws Wy Ord Nta Kzu Pth Gau Pre Est Spb Lj Tva Lpo Mdk Ent Kru Pma Pf Pa Hf TH CMa SD91 SD119 MW Zom Arr Oru Jal Msw Kh KP KR JP Koh Msr Nra Bhh Ad SO Zai Ifr Rbt Saia Tlm Orn Agi Blid Ges Dje Ogl Bsk Ktr BtNa BSa Tmn Ah Ajj Hrh Sfr Mzg Onç Ceg Gtt Rbt Azr Idl Ath Ng Jla Hr Blm Prw Pnj 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 65 66 67 68 69 70 71 72 73 74 75 76 78 80 81 04D 04Db 05A 06B 06C 06D 06G 06H 06K 06N 06R 06Rd 06V 06Z 13A 13Ab 13Ac 13Ax 13B 13Ba 13C 13Cf 13Cg 13D 13Da 13F 13F33 13F35 13G 13Gö 13Gğ 13Gv 13Gk 13Go 13Gw 13Gz 14I 14Ib 21K 21L 21Le 21N 21Nb 21Nh 21P 21Pa 21O 23D 23De 23I 23Ia 23Ib 23E 23M 25A 25F 25Fa 25Fb 25Fc 27C 27Cb 29A 29Ae 30B 30Bb 30Bk 30D 30Df 31F 31Fb 31K 31Ka 31La 36D 36Db 39C 44A 44Aa 44Ab 44E 44L 44Lc 45L 45La 46F 46Fc 47F 48A 48Ak 48D 48F 48L 49E 49Ea 49Ec 49F 49Fb 49Fe 49Ff 56A 56D 56Db 56Dc 56Dh 56Dğ 56F 58C 58G 58Ga 58Gd 58Gi 62G 62Ga 62E 63B 63D 63E 63G 63M 65B 65Bk 65Bi 65Bx 65D 65De 65Dc 65Dk 65Dl 65Dlc 65Dn 65Do 65Dr 65Drb 65Dt 65E 65Eb 65Ec 65Eç 65Ed 65F 65Fi 65Fb 65Fd 65Fg 65Fj 65Fm 65Fn 65Fq 65Fr 65Fü 65Fw 65Fz 65G 65Gb 65Ge 65Gf 65Gl 65Gi 65Gv 65Gz 65K 65Kc 65Ka 65Kl 65Kg 65Ks 65Ky 65Ky1 65L 65N 65Nc 65Nc4 65Ng 65Nh 65Nk 65Np 65Np1 65Np2 65Np3 65Np4 65Nm 65Nl 65No 65Nr5 65M 65Mc 65Md 66A 66P 66Pa 72E 72Ek 72F 73D 73Da 73Df 75F 75Fg 75Fj 75Fi 76A 76Ac 76B 76Bf 76Bh 76C 76D 76Da 78D 78Da 80B 80Bc
- 26) Vanessa (s.str.) atalanta (Linnaeus,1758)** (Argynnidae) Synonym(s): *atalanta* Linnaeus,1758; *amiralis* Retzius,1783; *#klemensiewiczzi* Schille,1896; *#klime* Fischer,1896; *italica* Stichel,1900. Original Reference: Papilio *atalanta* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 478. Type(s): [Sweden (Verity,1950)]. Range (in code): IL He Pa Hf Ae AL Ao At AT Az Ba BE BG B-H BY CH CN Co Cr CZ DE DK DZ EE ES FI FR GB GR HU HV IE IR IS IT JO KG Kp Kr LB LT LU LV MA MK MT NL NO PL PT Rd Ro Ru Sa Se Si SK Sm So Sr SS TM TN Tr T-S Ua Ui Uk Vl YU Cw Dv Smt H-W PK Zh Bl Cc GG AZ AM CY US MX Sur Ssx Ken Cn Mu Mu18 Nv MD Elb Mz Gls CA GT CU HT NZ AU Aks Alb Arz Cf Cnt Col Dw Fl Ge Id Idp Iln Io Kan Knt Lou Mai Mch Mis Mns Mon Mrl Msc Mss NCa NDk NMx Ne Neb Nh Nje Ny Oh Ok Org Pns RDi SDk Tnn Tx Ut Vi Vr WVi Wc Ws Wy IQ Bgd Ab Blid Orn Agi Ktr Cst Tun Tlm Tgr Hrh Hmk Mzg Tou Clo Sbd Rbt 01 03 04 05 06 07 08 09 10 11 13 14 16 17 18 21 22 23 24 25 27 29 30 31 32 33 34 35 36 37 38 39 42 43 44 45 46 48 50 51 52 53 55 56 58 59 60 61 62 63 65 66 71 74 75 77 78 80 81 04D 04Db 05A 06G 06H 06R 06Rd 06S 06Z 09K 09Ka 13F 13F33 13G 13Gü 13Gy 13Gw 14I 14Ib 21N 21Nb 23E 27C 27Cb 30D 30Df 33A 39C 45L 45La 46F 46Ff 48A 48Ak 48D 48F 48L 56B 56Bb 56F 58G 58Ga 58Gi 63D 63E 65D 65Dc 65F 65Fq 65Fs 65Fz 65L 65N 65Nc 65No 65Nm 66A 66P 66Pa 75F 75Fi 77F
- 27) Carcharodus (Lavatheria) lavatherae (Esper,[1783])** (Hesperiidae) Synonym(s): *lavatherae* Esper,[1783]; *australior* Verity,1919; *pyrenaicus* Picard,1948. Original Reference: Papilio *lavatherae* Esper,[1783], Die Schmett. 1(2): 148-149, pl.82 fig.4. Syntypes: Frankreich; Schweiz. Range (in code): AL AT BG BY CH DE DZ ES Mu Mu18 FR GR HU IT MA RO RU SK Sm So Sr TR IR Ab UA VI YU Mt Ko MK SS HV B-H Ur Cc TN Ges Sbd Lbs 01 03 04 05 06 07 08 12 13 14 17 18 19 21 23 24 25 29 30 32 33 36 37 38 39 40 41 42 44 46 49 50 51 56 58 60 62 65 66 68 70 72 73 74 75 76 78 04D 04Db 05A 06R 06Rd 06Z 13C 13Cd 13G 13Gv 23D 23De 23I 23Ia 23Ib 24E 24Ea 25F 25Fa 25Fb 25Fc 30B 30Be 30Bc 30D 30Dt 36D 36Dc 36F 36Fb 49E 49Ea 58G 58Gi 65D 65Dc 65Dc 65Do 65F 65Fb 65Fg 65Fj 65Fz 66A 72E 72Ej 75F 76C 76D 76Dc 78D 78Da
- 28) Carcharodus (Reverdinus) flocciferus (Zeller,1847)** (Hesperiidae) Synonym(s): *flocciferus* Zeller,1847; *altheae* Hübner,[1803] nec Esp.,[1783]; *imperator* Hemming,1934; *alchymillae* Hemming,1936; *autumnalis* Verity,1940. Original Reference: *Hesperia floccifera* Zeller,1847, Isis (4): 286-287. Syntypes ♂♀: [Italien]: Sizilien: Syracus. Range (in code): MA Lkr Rf AL AT BA BG BY CH CZ DE ES Mu FR GR Rd HU IT LT LV PL PT RO RU Sa Si SK Sm Sr TM TR IR Ab Sro UA VI YU Mt Ko MK SS HV B-H KG Sp Bv Bw Rp Cc 08 25 30 36 53 65 69 71 75 76 30B 30Bc 30Bx 65D 65F 65Fp 65Fz 65N 65Np1 65Nr4 65Nr6 65Nm 76C
- 29) Carcharodus (Reverdinus) orientalis Reverdin,1913** (Hesperiidae) Synonym(s): *orientalis* Reverdin,1913; *centralanatolica* Pfeiffer,1927; *#aestatis* Graves,1928; *aestatis* Verity,1928; *postorientalis* Verity,1928; *maccabaeus* Hemming,1932. Original Reference: *Carcharodus orientalis* Reverdin,1913, Bull. Soc. lépid. Genève 2 (4): 232, Pl.21 fig.14; Pl.22 figs.1,8. Syntypes: Greece: Peloponnes (MHNG). Range (in code): IL He Pa LB AL BG BY GR JO IQ IR Ab Qba Kh GlS MK RU TR Cc UA YU

HV Mt 01 03 05 06 07 08 10 13 14 16 17 18 19 20 21 23 24 25 27 29 30 31 32 33 34 35 36 38 39 42 43 44  
46 47 48 49 50 51 56 58 60 62 63 65 66 69 70 72 73 74 76 01D 01H 05A 06B 06G 06K 06N 06P 06R  
06Rd 06V 06Z 13G 13Gs 13Gw 18F 21N 21Nb 25F 25Fa 25Fb 25Fc 27B 27C 27Cb 30B 30Bc 30Bx 30D  
30Dt 31E 31L 31La 31K 31Ka 33K 35T 36D 36Dc 36F 36Fb 44E 44L 44Lc 46F 47B 47F 49E 49Ea 56F  
58G 58Gi 63D 63E 65D 65Dc 65Do 65Dp 65F 65Fc 65Fg 65Fi 65Fz 65G 65Gm 65K 65Kc 65Kö 65Ku  
65Kw 65Kz 65Kg 66A 72E 72Eg 76C

- 30) Carcharodus (s.str.) alceae (Esper,[1780])** (Hesperiidae) **Synonym(s):** *alceae* Esper,[1780]; *malvae* Hufnagel,1766 nec Linn.,1758; *malvarum* Hoffmannsegg,1804; *magnaustalis* Verity,1924; *corsicus* Picard,1948. **Original Reference:** Papilio alceae Esper,[1780], Die Schmett. 1(2): 4, pl.51, fig.1. **Type(s):** Süddeutschland: Erlangen. **Range (in code):** AF AL AM Ao AT AZ Ba BE BG BY Ch Ci CN Co Cr CZ DE ES FR Gg GG GR Rd Gs Hd Hp HU IN IQ IR IT Kk Kr Ku LB Ld LU MA Mre Haz Mus NL Pag PK PL PT RO RU Sa Si SK Sm Sml So Sr TM TN TR UA Ui Uk Up VI YE YU Mt Ko MK SS At Mn Sp Tk Aa Tm Sau Tar DsA Ax Tls Ng Hr Kab T-S Mu CH HV B-H DZ Bn CY IL Pa Hf Cc Arr Ab Ak Shf Gls Kh Nar 01 03 04 05 06 07 08 09 10 12 13 15 16 17 20 21 23 24 25 26 27 29 30 31 32 33 34 35 36 38 39 41 42 43 44 45 46 47 48 49 50 51 53 56 58 60 62 63 65 66 67 70 71 72 73 74 75 76 78 79 80 01A 01H 01K 01F 04D 04Db 05A 06B 06G 06K 06R 06Rd 06V 06Z 12A 12Ai 13F 13G 13Go 13Gv 13Gw 21L 21Le 21Lf 21N 21Nb 21O 23D 23Da 23I 23Ia 25F 25Fa 27C 27Cb 27E 30A 30Aa 30B 30Bd 30Bc 30Bx 30Bh 30Bf 30Bj 30Bg 30D 30Da 30Bj1 30Bo 30Br 30Dt 31A 31Aa 31F 31K 31Ka 31O 33O 36D 36Db 36F 36Fb 39C 44L 44Lc 48A 48Aa 48Ak 48D 48F 49E 49Ea 49Ef 49F 49Fb 56F 63D 63E 65B 65Bo 65Bx 65D 65Dc 65Dc 65Dd 65Dda 65Di 65Do 65Dp 65Dr 65Drb 65Dt 65Dw 65Dn 65E 65Ea 65Eb 65Ed 65F 65Fb 65Fd 65Fg 65Fu 65Fq 65F3 65Fi 65Fz 65G 65Gn 65K 65Kb 65Kc 65Kl 65Kö 65Ks 65N 65Na 65Np 65Np4 65Nm 66A 72E 72Eb 73A 73Ad 73Ad2 73D 73Db 75E 76B 76Bb 76Bf 76Bh 76D 76Da 76Df 78D 78Da 79B 80B 80Bc 80C 80G

- 31) Eogenes alcides Herrich-Schäffer,[1852]** (Hesperiidae) **Synonym(s):** *alcides* Herrich-Schäffer,[1852] **Original Reference:** Hesperia alcides Herrich-Schäffer,[1852], Syst. Bearb. Schmett. Eur.6:38; ibidem 1:pl.7,figs.41-42. **Syntypes:** [Türkei]: Amasia. **Range (in code):** T-S BI Ci CN Cc GG AM AZ Nv Ord IR Ab Mz Kh IQ Kp PK TM TR Ui Ii Tk KG 05 08 20 23 24 25 30 35 36 42 50 56 60 62 63 65 66 72 73 05A 23Cc 23D 23Da 25F 25Fa 30B 30Bc 30Bx 30Bd 30Bg 36D 36Dc 36F 36Fb 56A 56Ac 56F 62F 65D 65K 65N 65Nc 65Nj 65Np5 65Nm 72E 72Eb

- 32) Erynnis (Hesperopegasus) marloyi (Boisduval,[1834])** (Hesperiidae) **Synonym(s):** *marloyi* Boisduval,[1834]; *sericea* Freyer,1838; *rustan* Kollar,[1849]. **Original Reference:** Thanaos marloyi Boisduval,[1834], Icon. hist. Lépid. Europe 1: 241, pl.47 figs.6,7. **Type** ♂: Greece (BMNH). **Range (in code):** AF AL BG GR IQ Rwx Shq IR Ab Qba Kp Fa Shr Kh LB MK RU TM TR Cc 01 03 04 05 06 07 08 09 12 13 16 17 18 21 23 24 25 27 28 29 30 31 32 33 34 35 36 38 40 42 44 46 48 50 56 58 60 62 65 66 70 71 72 73 76 01H 01K 05A 06B 06K 06N 06R 06Rd 06V 06Z 13G 13Ga 13Gö 13Gg 13Gs 13Gw 13Gz 21L 21Le 21N 21Nb 21O 23D 23Dc 23I 23Ib 25F 25Fa 30A 30Ae 30B 30Bd 30Bc 30Bx 30Bh 30Bk 30Bj 30Bg 30D 30Da 30Dt 31A 31Aa 31B 35L 36D 36Dc 56F 65D 65Dc 65Di 65Do 65Dq 65Dp 65Dr 65Drb 65Dw 65F 65Fb 65Fd 65Fp 65Fz 65K 65Kd 65Kg 65L 65La 66A 72E 72Eg 73A 73Ad 73Ad2 73Aj

- 33) Erynnis (s.str.) tages (Linnaeus,1758)** (Hesperiidae) **Synonym(s):** *tages* Linnaeus,1758; *morio* Scopoli,1763; *geryon* Rottentburg,1775; *subclarus* Verity,1921. **Original Reference:** Papilio tages Linnaeus,1758, Syst. Nat. (Edn.10)1: 485. **Type(s):** Europa. **Range (in code):** At AL AT Ba BE BG BY CH Cr CZ DE DK EE ES An Mu Mu18 FR GB GR HU IE IQ IR Ab IT KG Kr LB LT LU LV MN NL NO PL PT RO RU Sb SE SK Sm So Sr TR UA VI YU Cw Dv Smt H-W Sur Ssx Ken Mt Ko MK SS HV B-H Mn Sau Tar CN Sz Ui Cc 01 03 05 06 07 08 11 12 13 14 16 17 18 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 41 42 44 45 46 49 50 51 52 54 56 58 59 62 63 65 66 67 69 70 71 73 75 76 78 01H 01K 05A 06B 06C 06D 06G 06K 06N 06Nc 06P 06R 06Rd 06V 06Z 12A 12Aa 13F 13G 13Gw 14F 21N 21Nb 23D 23Dc 23E 23M 25F 25Fa 27C 27Cb 30A 30Aa 30B 30Bc 30Bx 30Bd 30Bh 30Bf 30Bg 30Br 30C 30Ce 30D 30Dt 31A 31K 31Ka 31L 31La 33K 36D 39C 44L 44Lc 44O 44Oc 46F 46Fc 46Fd 49E 49Ea 49F 49Fb 56F 63D 65D 65Dc 65Dk 65Di 65Do 65Dob 65Dq 65Dü 65Dn 65Dv 65Dw 65Dt 66A 73A 73Ad 73Ad2 75E 75F 75Fd 78D 78Da

- 34) Hesperia comma (Linnaeus,1758)** (Hesperiidae) **Synonym(s):** *comma* Linnaeus,1758; *virgula* Retzius,1783; *alpina* Bath,1896; *galliaemeridiei* Verity,1928; *alpapennina* Verity,1928; *alpiumflava* Verity,1928; *macrocomma* Verity,1928; *superalpina* Verity,1928; *atralpina* Verity,1928. **Original Reference:** Papilio comma Linnaeus,1758, Syst. Nat. (Edn.10) 1: 484. **Type(s):** Europe. **Range (in code):** AF AL KK At Kts AT Ba BE BG Bqu Btn BY B-H CH Ci CN CZ DE DK EE ES FI FR GB GR HU HV IN IT Ju Kbb Ku Ld Lho LT LU LV MK NL No NO PK PL PT RO RU SE Sha Si SK Sm So Sr Sz TR Ts T-S T-T SS UA Ui Up VI Yu YU Sur Ssx Mt Ko MA DZ KG Uk Rk Pw Om Mn Sp Or Bs Afr Lkr Ouk Lbs Tgz Mu Bn Amd Kg Ur Sb Tt TJ Pm Al DsA KuA TrA Tls Ax Ket IQ LB Cc GG Smt Bjo Kak Lag US MX Arz Cf Col Id Mai Mch Mns Mon Ndk NMx Ne Neb Nh Org Sdk Ut Wc Ws Wy Ab 03 04 05 06 07 08 10 13 14 15 16 23 24 25 29 30 32 33 35 36 38 42 46 50 51 58 60 65 66 69 70 71 76 81 05A 06D 06H 06K 06Z 13A 13Ab 13Ax 13G 13Gw 23D 23Dc 30B 30Ba 30Bf 30D 30Df 30Dfa 35S 35Sb 46F 58G 58Gg 58Gj 65A 65Aba 65B 65Bk 65Bx 65D 65G 65Ge 65Gn 65Gp 65Gm 65F 65Fc 65Fe 65Fi 65Ft 65Fq 65Fe 65Fs 65Fü 65Fz 65K 65Kc 65Kg 65Kl 65Kö 65Kw 65N 65Nr2 65Nr4 65Nm 66P 66Pa 70C 70Cb 76C

- 35) Muschampia poggei (Lederer,1858)** (Hesperiidae) **Synonym(s):** *poggei* Lederer,1858 **Original Reference:** Hesperia poggei Lederer,1858, Wien. ent. Monatschr. 2: 141. **Syntypes** ♂♀: Syrien: "auf den Bergen um Damask". **Range (in code):** GG Cc IQ IR Ab LB SY TR AM Nv AZ 01 07



12 13 21 23 24 25 27 30 33 42 44 46 47 49 56 58 62 63 65 70 72 73 13A 13Ae 13Ax 13G 13Gv 23I 23Ib 24E 24Ea 27B 30B 30D 49E 49Ea 49Ed 56B 56F 65Bx 65D 65Dc 65Dp 65E 65Eb 65G 65Ge 65F 65Fg 65Fh 65Fj 65Fl 65Fz 65K 65Kc 65Kz 65Kg 65N 65Np2 65Np8 65Nm 72E 72Eb 72Eg 72Eh 72Ei 72Ej 73D 73Df 73Dg

- 36) Muschampia proteides (F.Wagner,1929)** (Hesperiidae) Synonym(s): *proteides* F.Wagner,1929; *lycaonius* F.Wagner,1929; *sovietica* Sichel,1964; *lycaonius* Benjamini & Avni,2001 [misident.]; *#lycaomius* Benjamini & Avni,2001 Original Reference: *Hesperia* proto ssp. *proteides* F.Wagner,1929, Mitt. münch. ent. Ges. Taf.2 fig.26 Type ♂: [Türkei]: Akschehir [15 Febr.1929]. Range (in code): Cm IQ IR Ab JO KG Kr LB MK Pa RU Sr TR UA Uk KG Cc AM IL Pa JO SY He o1 o3 o5 o6 o7 o8 13 14 15 21 24 25 32 33 38 42 43 44 46 49 51 56 58 60 65 70 73 76 o5A o6D o6E o6H o6K o6N o6R o6Rd o6V o6Z 13G 44F 44Fb 46F 49F 49Fd 56F 58G 58Ga 58Gg 58Gj 65D 65Dd 65F 65Fb 65Fc 65Fr 65Fp 65Fz 65K 65Kg 65Ku 70C 70Cb 70Cd 76C
- 37) Muschampia tersa Evans,1949** (Hesperiidae) Synonym(s): *tersa* Evans,1949 Original Reference: *Muschampia* tessellum ssp. *tersa* Evans,1949, Catalogue Hesperiidae Eur. Asia Austr. Br. Mus.: 181. Syntypes 1♂ Iraq Kurdistan; [Iran] Persia (Ordub[ad] [Azerbaijan], Fars). Range (in code): Cc AZ Nv Dk Fa IQ Ry IR Ab Khy Th TR 13 30 56 65 73 13F 13G 30B 30Ba 30Bc 30Bx 30Bd 30Bh 30Bf 30Bf 30D 30Da 30Dt 56F 65B 65Bc 65D 65Dm 65Dp 65Dw 65F 65Fd 65Fj 65K 65Kg 65L 65Lb 73C 73Cd
- 38) Ochloides venatus (Bremer & Grey,[1852])** (Hesperiidae) Synonym(s): *venatus* Bremer & Grey,[1852] Original Reference: *Hesperia* venata Bremer & Grey,1852, [in] Motschulsky, Etüd. Ent. 1: 161. Type(s): China. Range (in code): IR By Th Lo Ak Ab AL AT Ba BG BL BY CH CN CZ DE DK EE ES FI FR GB GR HU IT Kr LT LU LV Mc Na NL NO PL PT RO RU SE Si SK Sm So Sr Sz Ti TR Ts T-T UA Ui V1 Vv Yu Cw Dv Smt H-W Sur Ssx Ken Mt Ko B-H HV SS MK SY KK KG Or Uk Bs Tr Cb Kg Ty Kw Pw Om No At Mn T-S Am Amd Ao Kts Mu Sp Tk At Bn Aa Db Kuz Sli Sau Tar DsA Ket Tu TeA KuA TrA Tls Ax IQ LB Cc Sro o1 o2 o3 o5 o6 o7 o8 10 11 13 14 16 17 24 25 26 29 30 31 32 33 34 35 36 37 39 41 42 43 46 52 53 56 58 60 61 62 65 66 69 72 73 74 75 78 81 o5A o6G o6R o6Rd 13G 13Ga 14I 14Ib 30B 30Bc 30Bx 30Bf 30Bg 30D 30Da 31a 31Aa 36D 36Dc 39C 56F 65B 65Bk 65Bx 65D 65Dd 65Dda 65Do 65Dü 65Dn 65Dw 65G 65Ge 65K 65Kd 65Kg 65L 65La 66A 73C 73Cd 75E 75F 75Fd 78D 78Da
- 39) Pyrgus armoricanus (Oberthür,1910)** (Hesperiidae) Synonym(s): *armoricanus* Oberthür,1910; *petheri* Romei,1927. Original Reference: *Syrictus* alveus f.*armoricanus* Oberthür,1910, Etüd. Lépid. comp. 4: 411, pl.57 figs.509-517. Syntypes: France: Environs de Rennes. Range (in code): AL AT Ba BE BG B-H BY CH Co Cr CZ DE DK ES Mu FR GR HU HV IT MK NL PL LB PT RO RU Sa SE Si SK SS TR Cc UA YU Mt Ko Ur Kp TM IR Ab Kh IQ MA Ifr DZ Agi o1 o2 o3 o4 o5 o6 o7 o8 o9 12 13 14 16 17 18 19 23 24 25 26 27 28 29 30 32 33 34 35 36 37 38 39 41 42 43 44 46 48 49 51 52 53 56 58 60 61 62 65 66 68 69 70 71 73 74 75 76 79 o5A o6B o6G o6K o6R o6V o6Z 13G 23I 23Ib 25F 25Fa 27C 27Cb 30B 30Bc 30Bx 30Bg 36D 36Dc 36Dd 36F 36Fb 46F 49E 49Ea 49F 49Fb 51D 51De 56F 58G 58Gd 58Gi 65B 65Bn 65Bn1 65D 65Dc 65Dk 65F 65Fc 65Fr 65Fq 65Fz 65G 65Gb 65K 65Kg 65M 65Md 66A 75F 76C 76E 76Ea
- 40) Pyrgus carlinae (Rambur,[1839])** (Hesperiidae) Synonym(s): *carlinae* Rambur,[1839]; *olivacea* Oberthür,1910; *caecus* Turati & Verity,1911; *atrata* Verity,1925; *cottiana* Kaufman,1954. Original Reference: *Hesperia* carlinae Rambur,[1839], Faune ent. Andalousie 2 (4): pl.8. Syntypes: Alpes. Range (in code): AT CH FR IT NL CH DE ES PT SS TR IR Ab Cc o8 13 24 25 36 65 69 75 76 13A 13Ab 13Ax 13G 13Gv 13Gw 36D 65D 65Dc 65F1 65Fz 76C
- 41) Pyrgus cinarae (Rambur,[1839])** (Hesperiidae) Synonym(s): *cinarae* Rambur,[1839]; *cynarae* Boisduval,1840 Original Reference: *Hesperia* cinarae Rambur,[1839], Faune ent. Andalousie 2 (4): Pl.8, figs.4,5,j. Type(s): [Russia]: Sarepta (BMNH). Range (in code): AL BG Cm ES GR MK RU TR Cc UA V1 Ur IR o1 o3 o5 o6 o8 13 15 16 22 25 29 30 33 35 36 38 42 43 53 58 60 62 65 76 o5A o6K o6Kb o6Z 13G 13Gv 25F 25Fa 25Fb 30D 30Dt 65F 65F1 65Fz 65D 65Do 65Dob 65N 65Nr4 65Nm 76C
- 42) Pyrgus melotis (Duponchel,[1834])** (Hesperiidae) Synonym(s): *melotis* Duponchel,[1834]; *hypoleucos* Lederer,1853; *jordana* Hemming,1932. Original Reference: *Hesperia* melotis Duponchel,[1834], [in] Godart,J.B., Hist. nat. Lépid. Pap. Fr. 1: 251, Pl. 42 figs.1,2. Type(s): Libanon (cf. Hesselbarth,1995: 224). Range (in code): GR IL Pa JO LB SY TR Cc IR Ab Elb Th Kdj o1 o2 o3 o4 o5 o6 o7 o8 o9 10 12 13 14 18 20 21 23 24 25 27 28 29 30 31 32 33 35 36 38 42 43 44 46 48 49 50 51 52 53 56 58 60 61 65 66 69 70 71 73 76 80 o5A o6B o6C o6G o6P o6R o6Rd o6S o6V o6Z 12A 12Ab 13B 13Bg 13D 13Da 13F 13G 13Gö 13Gg 13Gv 13Gw 13Gs 13Gü 21N 21Nb 23I 23Ib 23M 25F 25Fa 27C 27Cb 30B 30D 31K 31Ka 31M 33K 36D 36Dc 36F 36Fb 44A 44Ab 44L 44Lc 46F 49E 49Ea 49F 49Fb 56F 56Fa 63D 65D 65Dc 65Dd 65Dda 65Dl 65Dn 65Dr 65Drb 65E 65Ed 65F 65F1 65Fc 65Fh 65Fe 65F3 65Fj 65Fz 65K 65Kd 65Kg 65Kl 65N 65Np 65Nm 66A 76B 76Bf 76Bh 76D 76Da
- 43) Pyrgus serratulae (Rambur,[1839])** (Hesperiidae) Synonym(s): *serratulae* Rambur,[1839]; *caecus* Freyer,1846; *occidentalis* Lucas,1910 nec Skinn.,1906; *planorum* Verity,1925; *magnagallica* Verity,1931; *plurisignata* Silbernagel,1946; *arvernensis* Picard,1948. Original Reference: *Hesperia* serratulae Rambur,[1839], Faune ent. Andalousie 2 (4): 318, Pl.8, figs.9,m. Type(s): Andalousie

(BMNH). Range (in code): AL AT Bn At Ba BG B-H BL BY CH CZ DE DK EE ES Mu FR GR HU HV Ir IT KG Kp LB LT LU LV MK PL PT Py RO RU SK So Sr SS TM TR UA Uk VI YU Mt Ko Cc GG AM IR Ab Kh IQ Sau Tar Mn CN Ui 01 03 04 05 06 07 08 12 13 14 17 18 23 24 25 27 28 29 30 31 32 33 34 36 37 38 39 42 46 47 48 49 50 51 52 53 54 58 60 61 62 65 66 69 70 71 73 74 75 76 05A 06B 06K 06P 06R 06S 06V 06Z 13G 13Gv 23I 23Ib 25F 25Fa 25Fc 31M 31F 31Fb 33C 36D 36Dc 36F 36Fb 38H 38Hc 46F 47F 49E 49Ea 49F 49Fb 49Fd 58G 58Gi 65A 65B 65Bk 65Bn 65Bn1 65Bx 65D 65Dc 65Dd 65Dda 65F 65Fb 65Fc 65F1 65Fe 65Fm 65F3 65Fz 65G 65Ge 65K 65Kd 65Kg 65Kl 65Kö 65N 65Nr4 65Nr6 65Nm 66A 75A 75Ac 75E 76C 76D 76Db

- 44) **Pyrgus sidae (Esper,[1784])** (Hesperiidae) Synonym(s): *sidae* Esper,[1784] Original Reference: Papilio sidae Esper,[1784], Die Schmett. 1(2): 178, pl.90 fig.3. Syntypes: Russia: Wolga. Range (in code): AL Ba BG B-H BY ES FR GR HV IT Kp MK RO RU So Sr SS TM TR Arr Cc IR Ab Kh GG UA VI YU Mt Ko KG Uk KK Na Ket Ax Ug Tls T-S 01 03 04 05 06 07 08 10 12 13 14 16 17 18 20 21 23 24 25 28 29 30 32 33 34 35 36 38 39 41 42 46 49 50 51 53 56 58 59 60 61 62 65 66 69 71 72 73 74 75 76 81 04D 04Db 05A 06B 06K 06G 06P 06R 06V 13C 13Cd 13D 13Da 13F 13G 13Ga 13Gv 13Gw 14I 14Ib 21N 21Nb 23I 23Ib 23M 25F 25Fa 25Fb 30A 30B 30Bc2 30Bx 30D 30Dt 36D 36Db 36Dc 49E 49Ea 49F 49Fd 56F 65D 65Dc 65Dc 65Dd 65Dda 65Dm 65Dn 65F 65Fm 65Fe 65Fb 65F2 65Fz 65K 65Kg 65Kl 65Kö 65N 65Np 65Nm 66A 72E 72Ej 72Eh 72Ei 75E 75F 76C

- 45) **Spialia (Neospialia) orbifer (Hübner,[1823])** (Hesperiidae) Synonym(s): *orbifer* Hübner,[1823]; *tesselloides* Herrich-Schäffer,[1845]. Original Reference: Papilio orbifer Hübner,[1823], Samml. eur. Schmett. 1: pl.161 figs. 803-806. Syntypes: Europa. Range (in code): AF AL At Kts Ba BG BY CN GR HU HV JO IQ IR LB KG KK Kr MK RO RU Si SK Sm Sr SS TR AM UA Ui VI YU Mt Ko Mn Sp Tk Aa Syr Tm Sau Mrk Tar TrA DsA Ax TeA Bl Ci G Kab Nwf Pag PK Sju Qu Urk Zi Shs Sng She Gor Mrw Man Nmg Br Smk Bsa Bei Aiz Zah Js Shq Dk Krd Km Amm Hal Dms Bld UA Cm Th T-S IL Pa Hf Rd Cc Ab Ak Msw 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 23 24 25 27 28 29 30 31 32 33 34 35 36 37 38 39 40 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 58 59 60 61 62 63 64 65 66 68 69 70 71 72 73 74 75 76 77 80 05A 06B 06C 06K 06G 06N 06Nc 06P 06R 06Rd 06S 06V 06Z 12A 12Ab 13A 13Ae 13Af 13Ax 13C 13Cd 13E 13Ea 13F 13G 13Gd 13Gv 21L 21Le 21Lf 21N 21Nb 21O 23D 23Dc 23I 23Ia 23Ib 23E 23M 25F 25Fa 25Fb 27C 27Cb 30A 30B 30D 30Dt 31F 31K 31O 31L 31La 31A 31M 33K 33O 36D 36Dc 36F 36Fb 38H 38Hc 39C 44Aa 44Ab 44E 44Ej 44L 44Le 44O 44Oc 45L 45La 46F 48A 48Ak 48Ah 48F 49E 49Ea 49F 49Fb 49Fd 56F 56F1 58G 58Ga 58Gd 58Gi 58Gj 62F 63D 63E 65B 65Bk 65Bo 65Bx 65D 65Dc 65Dc 65Dd 65Dda 65Dg 65Dk 65Do 65Dq 65Du 65Dv 65G 65Gn 65Gm 65Gz 65F 65Fb 65Fh 65Fg 65Fc 65Fe 65Fr 65Fp 65Fq 65F1 65Fj 65F3 65Fx 65Fz 65K 65Kc 65Kl 65Kö 65Kz 65Kg 65N 65Np 65Np1 65Np3 65Np4 65Np7 65Nr2 65Nr4 65Nr6 65Nr7 65Nm 66A 72E 72Ec 72Ei 75E 76C

- 46) **Spialia (s.str.) phlomidis (Herrich-Schäffer,[1845])** (Hesperiidae) Synonym(s): *phlomidis* Herrich-Schäffer,[1845]; *eupator* Hemming,1932; *kiki* Higgins,1974. Original Reference: Hesperia phlomidis Herrich-Schäffer,[1845], Syst. Bearb. Schmett. Eur. 1: 153, 164; Taf.2 figs.8,9. Type(s): aus der Türkei am Marmarameer". Range (in code): AL BG Cr GR He IL Pa LB Ksr NaS SY Bld TR SS HV MK Mt B-H Cc AZ Nv Ord IR Ab Srd Kh 03 04 05 06 07 08 10 12 13 14 15 16 17 19 23 24 25 26 29 30 32 34 36 38 42 44 49 50 51 58 60 62 65 66 69 70 71 75 76 78 05A 06K 06V 13C 13Cd 13G 23I 23Ia 23D 23Dc 25F 25Fa 30B 36D 36Dc 49F 49Fd 58G 58Gd 58Gi 65Bx 65D 65Dc 65Dp 65G 65Ge 65F 65Fc 65Fc 65Fü 65Fq 65Fz 65G 65Gf 65K 65Kc 66A 76C

- 47) **Thymelicus acteon (Rottemburg,1775)** (Hesperiidae) Synonym(s): *acteon* Rottemburg,1775; *heydeni* Plötz,1884; *clara-obsoleta* Tutt,1920; *phoenix* Graves,1925; *aurescens* Verity,1948. Original Reference: Papilio acteon Rottemburg,1775, Naturforscher 6: 30. Type(s): Germany: Lansberg an der Warthe. Range (in code): DZ Tlm Taz Orn Csb MA TN AL AT Ba BE BG B-H Bv Bw CH Cr CZ DE ES Mu FR GB GR Rd HU HV IT LU MK NL PL PT RO Rp RU Si SK Sr SS TR Cc YU Ssx He CY IL Pa Hf IQ IR Ab LB SY Mt Ko Mu18 01 05 06 07 10 11 13 16 17 19 20 21 23 24 25 29 30 32 33 34 35 36 39 43 44 45 46 48 54 55 56 58 60 62 65 72 73 74 77 78 80 05A 06K 21N 21Nb 23D 23Dc 23M 30D 30Dt 33C 36D 36H 48A 48Aa 48Ak 48Ag 56A 56Ac 56C 65D 65Dw 73C 78D 78Da

- 48) **Thymelicus hyrax (Lederer,1861)** (Hesperiidae) Synonym(s): *hyrax* Lederer,1861; *pfeifferi* Bytinski-Salz & Brandt,1937. Original Reference: Hesperia hyrax Lederer,1861, Wien. ent. Monatschr. 5: 149, pl.1, fig.6. Syntypes: [Türkei]: Antiochia [=Antakya]; Lectotype ♂: "Antiochia", designated by Nekrutenko,1995 [in] Hesselbarth, et al.: 154 (ZMHB). Range (in code): Chi GG Cc GR IL Pa Hf IR Elb LB Le Rd Sms TR 01 05 06 07 08 09 13 16 18 23 24 25 27 29 30 31 33 35 36 42 46 48 65 72 73 76 01A 01H 01K 05A 09K 13C 13Cf 23M 25F 25Fa 25Fb 27C 27Cb 30A 30Aa 30B 30Be 30Bc 30Bx 30Bj 30Bh 31A 31M 36D 36F 36Fb 42V 48A 48Ay 48Ak 48Am 48A□56F 65D 65Dp 72E 72Ed 72Eg 73C 73Ce 80E

- 49) **Thymelicus lineolus (Ochsenheimer,1808)** (Hesperiidae) Synonym(s): *lineolus* Ochsenheimer,1808; *virgula* Hübner,1813 *nec* Retz.,1783; *ludoviciae* Mabilie,1883; *pallida* Tutt,1896; *clara* Tutt,1905; *hemmingi* Romei,1927; *melissus* Zerny,1932; *forax* Hemming,1934 Original Reference: Papilio lineola Ochsenheimer,1808, Schmett. Eur. 1(2):230-231. Type(s): Germania. Range (in code): At Kts AF AL Ao AT Ax Ba BG B-H BL BY CH CN Co CZ DE DK EE ES FI FR GB GR HU HV IL IR IT JO KG KK LB LT LU LV MA MK NL NO Pa PL PT RO RU SE Si SK Sm So Sr SS TM TR T-S UA Ui Uk VI YU Sur Ssx Ken Mt Ko DZ TN Or Bs Tt Cb Kg Ty Kt Rk Pw Ka Sp Mn No Tk Aa Mu Aq Bn Tm Kuz Sli Sau Tar



DsA Ax Tls TrA T-S GG AZ Nv Ord Smt Bjo Cc IQ Mos US Cnt Col Dw Id Idp IlN Io Knt Mai Mch Mis  
Mns Mon Mrl Msc NCA NDk Neb Nh Nje Ny Oh Pns RDi Tnn Vi Vr WVi Wc Wy Ab Sro Jal Kh Ifr Lbs  
Afr Ges Lkr Ouk Dju Hr BlM 01 02 03 04 05 06 07 08 10 12 13 14 15 16 18 19 20 21 22 23 24 25 26 27 29  
30 31 32 33 34 36 38 39 40 42 43 44 46 47 48 49 50 51 56 58 60 62 63 65 66 69 70 71 73 74 75 76 78 80  
01H 01K 04D 04Db 05A 06B 06G 06K 06R 06V 06Z 13A 13Ae 13Ac 13Af 13Ag 13Ah 13Ax 13B 13Ba 13D  
13Da 13E 13Ea 13G 21L 21Lf 21N 21Nb 23D 23Dc 23I 23Ib 24E 24Ea 25F 25Fa 25Fb 25Fc 30A 30Aa 30B  
30Bc 30Bx 30Bd 30Bh 30Bf 30Bg 30Bj 30Bk 30D 30Da 30Df 30Dfa 31A 31Aa 33K 36D 36De 36F 36Fb  
44A 44Ab 44L 44Lc 46D 46Da 49E 49Ea 49Ec 56A 56Ac 56B 56F 58R 58Rb 65B 65Bk 65Bo 65Bx 65D  
65Dc 65Dl 65Db 65Dp 65Dq 65Dm 65Du 65E 65Eb 65F 65Fb 65Fg 65Fh 65Fe 65Fj 65F2 65Fz 65G 65Ge  
65K 65Ké 65Kd 65Kö 65Kg 65N 65Np 65Np1 65Np7 65Np8 65Nm 66A 73A 73C 73Ag 73Cd 73Ce 75E  
75F 75Fd 76C 76D 76Da 76Df 80B 80Bc

- 50) **Thymelicus novus (Reverdin,1916)** (Hesperiidae) Synonym(s): *novus* Reverdin,1916  
Original Reference: *Adopea nova* Reverdin,1916, Bull. Soc. lépid. genève 3 (3): 125, Pl.7 fig.1N.  
Syntypes ♂♂: [Turquie]: Amasya (MHNG). Range (in code): IQ IR TR 04 05 13 21 23 25 30 46 47 56  
62 65 73 04I 05A 13C 13Cf 21N 21Nb 23D 23Dc 23M 23Ma 25F 25Fa 30A 30Aa 30B 30Bc 30Bx 30Bd  
30Bh 30Be 30Bj 30Bf 30Bg 30D 30Da 56E 56F 65B 65Bk 65Bx 65D 65Dc 65Dq 65Dl 65Dlb 65Dm  
65Do 65Dw 65G 65Ge 65K 65Kz 65Kg 73A 73Ag 73C 73D 73Df 73H

- 51) **Thymelicus sylvestris (Poda,1761)** (Hesperiidae) Synonym(s): *sylvestris* Poda,1761; *flava*  
Brünnich,1763; *linea* Müller,1764; *thauomas* Hufnagel,1766; *divaricatus* Fourcroy,1785; *venula* Hübner,[1813];  
*obscura* Verity,1905 Original Reference: *Papilio sylvestris* Poda,1761, Insecta Musei Graecensis: 79.  
Type(s): [Austria]: Graz. Range (in code): AL AT Ba BE BG BY CH CZ DE DK EE ES Mu FR GB GR  
HU IT JO Kr LB LT LU LV MK NL PL PT RO RU Si SK Sm So Sr TR UA VI YU Cw Dv Smt H-W Sur Ssx  
Ken MA DZ IR Ab Kh Gls Cc GG AZ AM SY IQ Mnf Ur Or Bs 01 02 03 04 05 06 07 08 10 11 12 13 14 15 16  
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 42 43 44 45 46 47 48 49 50 51 56  
58 60 61 62 63 64 65 66 67 69 70 71 72 73 74 75 76 78 81 04D 04Db 05A 06A 06B 06C 06D 06G 06K  
06N 06P 06R 06Rd 06V 06Z 13A 13Ac 13Ax 13B 13Ba 13E 13Ea 13G 13Ga 13Gv 13Gw 21N 21Nb 21O 23I  
23Ib 25F 25Fa 25Fb 25Fc 27C 27Cb 30A 30Aa 30B 30Ba 30Bc 30Bx 30Bd 30Bh 30Be 30Bf 30Bj 30Br  
30D 30Dt 31A 31Aa 31M 33K 33O 36D 36De 36F 36Fb 44L 44Lc 45L 45La 46F 48A 48Ak 48A□48D 49E  
49Ea 49Ef 56A 56Ac 56B 56Ba 56F 58C 58G 58Ga 58Gi 58Gj 63E 65B 65Bk 65Bo 65Bx 65D 65Dc 65Dk  
65Dl 65Dla 65Dm 65Dp 65Du 65F 65Fb 65Fj 65Fq 65F2 65Fm 65Fe 65Fg 65G 65Ge 65K 65Kc 65Kd  
65Kg 65Kl 65Kö 65Kü 65L 65La 65N 65Np 65Np7 65Np8 65Nm 66A 73A 73C 73Ag 73Ac 73Cd 73D 73Df  
75E 75F 76C 76D 76Db 78D 78Da

- 52) **Libythea (s.str.) celtis (Laicharting,1782)** (Libytheidae) Synonym(s): *celtis*  
Laicharting,1782 Original Reference: *Papilio celtis* Laicharting,1782, [in] Fuessly, Arch  
Insektengesch. (2) (4): 1, pl.8 figs.1-3. Type(s): S.Tirol: Bolzano. Range (in code): AL AT BG B-H  
Bw BY CH Cr CY DZ Clo Blid TN ES Mu FR GR HU HV IQ IR Ab Elb Gls IT Kp MK PK Ci Nwf PT RO RU  
Sa Si SK SS TM TR Cc UA YU TrA Ax Tls KG CN TW JP KP KR T-S 01 03 05 06 07 08 09 10 11 13 14 16 17  
20 21 23 25 26 27 29 30 31 32 33 34 35 37 38 41 42 43 46 48 52 56 58 60 62 65 66 71 73 76 05A 06A 06K  
06R 13C 13Cd 13F 13F3 13F35 21N 21Nb 23D 23Dc 25F 25Fa 27C 27Cb 30B 30Br 31M 46G 46Gi 56D  
56Dc 56F 56Fb 60C 62G 62Ga 65Bx 65D 65Dc 65Di 65Dl 65Dlc 65Di 65Dk 65Do 65G 65Ge 65Fz 65N 65Np7  
65Nm 66A 66P 66Pa 73A 73Ad 73Ad2 73D 73Df

- 53) **Callophrys danchenkoi Zhdanko,1998** (Lycaenidae) Synonym(s): *danchenkoi*  
Zhdanko,1998 Original Reference: *Callophrys danchenkoi* Zhdanko,1998, Vestn. Kaz. Univ. 6: 48-  
49, fig.3. Holotype ♂: Armenia: Daralagez, 1100m. Range (in code): Cc AM Alg Eri IR Ab Ak Msw  
Elb Fa Ke Zj SY Dms TR 04 07 13 25 30 36 56 58 65 73 07D 07Db 13B 13Ba 13G 13Ga 13Gö 13Gğ 30B  
30Ba1 36F 36Fa 56F 58G 58Gi 65D 65Da 65Dc 65Dk 65Dn 65Dt 65Dy 65G 65F 65Fd 65Fe 65Fp 65Fq  
65Fz 65G 65Gi 65Gt 65K 65Kl 65Ks 65N 65Np 65Np1 65Nm 73A 73Af 73C 73Cd

- 54) **Callophrys herculeana Pfeiffer,1927** (Lycaenidae) Synonym(s): *herculeana* Pfeiffer,1927  
Range (in code): TR 13 21 32 42 56 65 13F 13G 13Ga 13Gv 21N 21Nb 32C 56B 56F 65D 65Dj 65Dk 65Dü  
65Dn 65Dt 65K 65Kg

- 55) **Callophrys paulae Pfeiffer,1932** (Lycaenidae) Synonym(s): *paulae* Pfeiffer,1932; *?alpicola*  
Koçak,1989 Original Reference: *Callophrys paulae* Pfeiffer,1932, Mitt. münch. ent. Ges. 22: 30-31,  
Taf.3 fig.13. Type ♂: [Turkey]: türkisch Nordsyrien: Marasch [Kahramanmaraş], Achyr Dag, h,  
1800-2000m. Range (in code): Cc AM AZ TR IR Kh TM Kp 07? 24 25 30 38 46 50 51 60 62 65 69 70  
73 75 07D 07Db 30B 30Bp 46G 65B 65Bk 65Bn 65Bn1 65Bx 65D 65Da 65Dl 65Dlc 65F 65Fp 65Fz 65G  
65Ge 65Gd 65N 65Np 65Np1 65Np2 65Np4 65Nr4 65Nm 69B 69Ba 70A

- 56) **Celastrina argiolus (Linnaeus,1758)** (Lycaenidae) Synonym(s): *argiolus* Linnaeus,1758;  
*cleobis* Sulzer,1776; *thersanon* Bergsträßer,1779; *argyphontes* Bergsträßer,1779; *argalus* Bergsträßer,1779;  
*marginatus* Retzius,1783; *acis* Fabricius,1787 nec Dru.,[1773]; *#parvipuncta* Fuchs,1880; *calidogenita* Verity,1919;  
*britannia* Verity,1919. Original Reference: *Papilio argiolus* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 483.  
Type ♀: Europa (Linnean coll. London) [gen.vern.]. Range (in code): He IL Ae AL AM Ao At AT AZ  
Ba BE BG BY CH CN Co Cr CY CZ DE DK DZ EE ES FI FR GB GG GR HU IE IQ IR IT KG KK Ku LT LU  
LV MA MK MT NL NO PL PT Rd RO RU Sa SE Si SK Sm So Sr TM TN TR UA Ui Uk Vi YU Cw Dv Smt H-  
W Sur Ssx Ken SY Kuz Sli DsA TrA KuA Ax Sau Ta JP MN KP KR TW Yu PH Luz Vv Sh Buc Mrk US CA  
MX PA LB Sj AF Als Ssk Mnt Mon Wc Nfl Ti Btn Ats BCo Cf Ut Ne NMx PA GT Us Mc Bry Ok SCA Tx Ge

Lou Kan Aks Mss Alb Bn T-S Ab Ak Elb Th Ha Fa Act Alc Alv Alm Atu Av Bad Bar Bgs C-L C-M CRe Cas Ccs Cd Cor Cue Cz Ct Gna Gp Grn Gu Hue Hv Jae Lda Leo Mdr Mlg Mu Nrr Ore Pv Lug Ple Rio San Seg Sma Sor Svl Ter Tol Trg Val Vel Zg Zm MX Arz Cf Cnt Col Dw Fl Id Idp Iln Knt Mai Mch Mns Mon Mrl Msc NCa NDk NMx Ne Neb Nh Nje Ny Oh Org Pns RDi Sdk Tnn Ut Vi Vr WVi Wc Ws Wy Nsr TH CMA CDo MM NP IN Clc SI Slo Ass VN Ann Cc Arr Shf Agi 01 02 03 05 06 07 08 09 10 11 12 13 14 15 16 17 18 20 21 22 23 24 25 27 28 29 30 31 32 33 34 35 36 37 38 39 41 42 43 45 46 47 48 49 50 51 52 53 54 56 58 59 60 61 62 65 66 67 69 72 73 75 76 78 81 01D 01G 01H 01K 05A 06C 06G 06K 06R 06Rd 06Z 07A 07B 12A 12Ab 13A 13Ab 13Ax 13B 13Ba 13Bg 13E 13Ea 13F 13F35 13G 13Ga 13Gö 13Gg 13Gv 13Gw 13Gs 21L 21Lf 21N 21Nb 21O 23D 23I 23Ia 23Ib 23M 25F 25Fa 27C 30B 30D 30Dh 30Dt 31A 31Aa 31L 31La 31F 31M 33A 33K 36F 36Fb 39C 44F 44Fa 45L 45La 48A 48Ak 49E 49Ec 49F 49Fb 49Fe 53L 56F 62E 65B 65Bk 65Bx 65D 65Dc 65Dh 65Dk 65Do 65Dt 65Dx 65F 65Fc 65Fd 65Fe 65F1 65Fq 65Ft 65Fu 65Fy 65F3 65Fz 65G 65Ge 65Gp 65K 65Kğ 65N 65Np 65Nm 66A 72E 72Ec 73A 73Ad 73Ad2 73Aj 73C 73Cd 76B 76Ba 76C 78D 78Da 80B 80Bc 80Bd 80C

- 57) **Cigaritis acamas (Klug,1834)** (Lycaenidae) **Synonym(s):** *acamas* Klug,1834; *obscurata* Staudinger,1901; *#düldüli* Pfeiffer,1932; *dueldueli* Pfeiffer,1932 **Original Reference:** *Lycaena acamas* Klug,1834, [in] Ehrenberg, Symb. Phys. Ins. 4: pl.40 figs. 7-9. Lectotype ♀: Syria, designated by Olivier & Nekrutenko,2000. **Range (in code):** DZ Idl Ah Tmn NE LY Ad AF Hr Kab Ng As BH CY Dh EG Hd IL Pa Hf JO KW LB OM PK QA SA SD SO SY TR AE Ci Nwf Cp Sd Krc Bl Chm IR Elb Fa Ke TM Kp 01 12 13 21 23 24 27 30 31 33 46 47 56 62 63 65 73 80 01K 12A 12Ae 12Ai 13G 13Gu 21N 21Nb 24E 24Ea 27C 27Cb 30D 30Dx 31A 31F 31L 31La 31M 46G 46Gf 56F 63D 65D 65Dl 65Dlc 65Di 73C 73Cd 80B 80Bb

- 58) **Cigaritis uighurica Kemal & Koçak,2005** (Lycaenidae) **Synonym(s):** *maxima* Staudinger,1901 nec Elw.,1892; *uighurica* Kemal & Koçak,2005; *ottostaudingeri* Weidenhoffer & Bozano,2007 **Original Reference:** *Cigaritis uighurica* Kemal & Koçak,2005, Cent. ent. Stud., Priamus 11 (3): 44. Holotype ♂: Turkey: Malatya Prov., Malatya 1100m, A. Koçak leg. (Cesa). **Range (in code):** IQ IR Zj Fa Ke TR 01 02 13 21 23 24 27 30 33 44 46 47 56 65 72 73 80 13C 13Cg 21L 21Lf 23D 23Dc 23I 23Ia 24E 24Ea 30B 30Bc2 30Bx 30Bd 30Bg 30D 30Dt 44L 44Lb 46F 46Ff 46G 46Gg 56A 56F 65D 65F 65Fc 65Fç 65Fp 65Fz 72E 72Ec 73A 73C 73Cd 80B 80Bc

- 59) **Cupido (s.str.) osiris (Meigen,[1829])** (Lycaenidae) **Synonym(s):** *osiris* Meigen,[1829]; *saportae* Dupnchel,1832; *violacea* Verity,1911; *sebrus* Boisduval,[1833]. **Original Reference:** *Polyommatus osiris* Meigen,[1829], Syst. Besch. eur. Schmett. 2:7, pl.46, figs. 3a,b. **Range (in code):** Lim Ae AL At AT Ba BG BY CH DE ES Mu FR GR HU IT KK MK PT RO RU SK Sr TR Arr Cc GG Smt Akh T-S UA YU KG Sau Tar Dsa Ket Tls IR Ab Ak Msw CN Ui 01 03 04 05 06 07 08 10 11 13 14 15 16 17 18 19 21 23 24 25 26 28 29 30 31 32 33 35 36 37 38 39 41 42 44 46 48 50 51 52 53 56 58 59 60 61 62 65 66 67 68 69 70 71 73 75 76 78 81 01L 01La 04I 05A 06A 06C 06G 06B 06K 06N 06P 06R 06Rd 06S 06Z 13A 13Ab 13Ax 13B 13Ba 13Bg 13D 13Da 13G 13Ga 13Gv 13Gw 21N 21Nb 23D 25F 25Fa 25Fc 30B 30Bb 30Bc2 30Bx 30Bk 30D 30Dh 30Dt 33K 36D 36De 36Df 36F 36Fb 38G 38Ga 44E 44L 44Lc 46F 46Fc 46Fd 46H 46Hc 46F 46Fc 46Fd 56D 56Dh 56Dğ 56Dh 56Dğ 62E 65B 65Bn 65Bn1 65Bk 65Bx 65D 65Dc 65Dc 65Dq 65Dn 65Do 65Dt 65F 65Fb 65Fc 65Fç 65Fd 65Fe 65F1 65Fj 65F3 65Fw 65Fz 65G 65Ge 65K 65Kç 65Kğ 65Kl 65Kü 65Kz 65N 65Np 65Nm 66A 73C 73Cd 75E 76C 78D 78Da

- 60) **Glaucopsyche (Iolana) lessei Bernardi,1964** (Lycaenidae) **Synonym(s):** *lessei* Bernardi,1964; *christinae* Betti,1977; *cappadocia* Betti,1977 **Original Reference:** *Iolana iolas* ssp. *lessei* Bernardi,1964, Alexanor 3: 276-277. Holotype ♂: Turquie: Amasia. **Range (in code):** Cc TR LB 01 03 05 06 07 08 13 15 16 18 21 23 24 25 30 33 35 37 38 42 43 46 48 50 51 56 60 62 65 70 73 05A 06Kc 06N 06P 06R 06V 13C 13Cd 13F 13G 13Ga 13Gb 25F 25Fa 33K 46F 56F 62E 65D 65Dl 65Dm 65Do 65Doa 65Dn 65F 73D 73Dg

- 61) **Glaucopsyche (s.str.) alexis (Poda,1761)** (Lycaenidae) **Synonym(s):** *alexis* Poda,1761; *damaetas* [Denis & Schiffermüller,1775; *#sublugens* Strand,1909; *#insulicola* Turati & Fiori,1930; *mironi* Coutsis,1976. **Original Reference:** *Papilio alexis* Poda,1761, Insecta Musei Graecensis.:77. Type(s): [Austria]: Steiermark. **Range (in code):** AF AL AM AT At Bn Cc AZ Ba BE BG BY CH Co CZ DE DK DZ Afl Lbs BtNa EE ES Mu Mu18 FI FR GG GR Rd HU Ii IT KG Ku LT LU LV MK NO PL PT RO RU SE Si SK Sm So Sr TM TN TR Arr LB IQ UA Uk Vi YU He IL Pa Hf IR Ab Jal Th 01 02 03 04 05 06 07 08 09 11 12 13 14 15 16 17 18 19 20 21 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 41 42 43 44 45 46 47 48 49 50 51 52 56 58 60 61 62 65 66 68 69 70 71 73 74 76 80 01A 01H 01K 04D 04Db 04I 05A 06A 06B 06C 06K 06N 06P 06R 06Rd 06S 06V 06Z 13D 13Da 13E 13Ea 13F 13G 13Gb 13Gö 13Gg 13Gv 21L 21Le 21Lf 21Ld 21N 21Nb 23I 25F 25Fa 25Fc 27C 27Cb 27F 29A 30B 30Ba 30Bg 30Db 30De 30Dt 31A 31Aa 31B 31F 31K 31Ka 31L 31La 33A 33C 33K 36D 36Da 36Dd 36F 36Fb 38H 38Hc 44I 44Ia 44L 44Lc 46F 46Fc 46Fd 46G 47B 47E 56D 56Db 56F 65D 65Dc 65Dc 65Df 65Dg 65Dj 65Dk 65Dl 65Dq 65Dn 65Dm 65Dr 65Drb 65Dt 65E 65Eb 65Ec 65F 65Fb 65Fd 65Fc 65Fp 65Fe 65Fg 65Fh 65Fq 65Fz 65F3 65K 65Kd 65Kğ 65Kl 65N 65Na 65Np 65Np2 65Nr2 65Nr4 65Nm 66A 69B 73A 73Af 73C 73Cd 73D 73Df 73Dfc 75Dd 76B 76Bb 76Bf 76Bh 76D 76Dd 76Dg 80B 80Bc 80C 80D 80E (Fig. 20)





**Fig. 20** – *Glaucopteryx alexis*, feeding on the flowers of *Myosotis* or *Lappula* (Boraginaceae) Turkey, Van Prov., Çatak Dalbastı 1600m 19 5 2012, M Kemal (Cesa)

**62) Lampides boeticus (Linnaeus,1767)** (Lycaenidae) Synonym(s): *boeticus* Linnaeus,1767; *damoetes* Fabricius,1775; *coluteae* Fuessly,1775; *pisorum* Fourcroy,1785; *boedicus* Borkhausen,1788; *#baeticus* Latreille,1809; *armeniensis* Gerhard,1886; *bagus* Distant,1886 Original Reference: *Papilio boeticus* Linnaeus,1767, Syst. Nat. (Edn.12) 1(2): 789. Type(s): Barbaria [Algeria]. Range (in code): Ae AF AL AM AZ Az Ba BE BG BH B-H BY CH CN Co Cr CY DE DK DZ EG ES FR GG GR HU IL IN IQ IR IT JO Kab Kbb KG KK KW LB Ld LY MA MK MN MT NL OM Pag PK Cp PT QA Rd RO RU SA Sa Si SK Sm So Sr SW SY TJ TM TN TR UA AE UZ YE YU Cw Dv Smt H-W Sur Ssx Ken Cy Ao Mu18 Ci He Ket DsA Tls TrA Cp T-S Ab Ak B-A Bk Brz Bu By Es Fa Gh Gor Ha Hz Il Kaz Kd Kh Km Kz Lo Ma Mz Qz Se Ss Th Yz Zj Act Alc Alv Alm Atu Av Bad Bar Bgs C-L C-M CRE Cas Ccs Cd Cor Cue Cz Ct Grn Gu Hue Hv Jae Lda Leo Mdr Mlg Mu Nrr Ore Pv Lug Ple Rio San Seg Sma Sor Svl Ter Tol Trg Val Vcl Zg Zm PG Vu Dmp PH Ala Bab Bal Bat Bas Bil Boh Bon Bur Bus CagSul Cal Cam CmL CmM Cat Ceb Cts Cuy Din Dum Gui Hom Jol Ley Lub Luz Mar Mas Mdo Mno Neg Pal Pan Pao Pol Rom Sam Sar Sga Sia Sib Siq Sis Stu Tab MW Zom ZA Tva Lpo Spb Lj Mdk Kru Pma Pf Nta Kzu Ptb Fre Gau Pre Jh Brn Mpu US Pa Hf TH CMa Cuo Cu07 Cu12 Lmp Sgk Hya PSu Nst Chw Ths Sya Bnk Kci MY Lkw IN Ass MM VN Hw SD SD91 SD119 Bgd Cc SO Zai Ad DZ Ah Agi Anna Orn Sbd Ges Ng Jla Lgh Kab Hr BLM ML 01 02 03 04 05 06 07 08 09 10 12 13 14 15 16 17 20 21 23 24 25 26 27 29 30 31 32 33 34 35 36 37 39 40 42 44 45 46 47 48 49 50 51 52 53 56 58 60 62 63 64 65 70 71 72 73 76 05A 06B 06C 06D 06F 06K 06Kb 06P 06R 06RL 07B 07C 13A 13Ab 13Ae 13Af 13Ax 13F 13G 13Ga 13Gb 13Gv 13Gw 21L 21Le 21N 21Nb 21O 23C 23Cc 23I 23Ib 23M 27C 27Cb 30B 30Bb 30Bk 30Bf 30D 30Dt 31F 31B 31A 31L 31La 31K 31Ka 32C 32D 33B 33C 33E 33H 36F 36Fb 40D 44E 46G 46Gf 46L 48A 48Ak 48L 49E 49Ea 56B 56F 58G 58Gi 58Gj 62E 62F 63D 65B 65Bk 65Bx 65D 65De 65Di 65Do 65Dn 65E 65F 65Fc 65Fe 65Fm 65Fg 65Fh 65Fj 65Fp 65Fz 65G 65Gb 65Ge 65K 65Kg 65Ks 65N 65Ne 65Np 65Nm 72E 72Ec 73C 73Ce 73D 73Df 76B 76Ba 76C

**63) Leptotes pirithous (Linnaeus,1767)** (Lycaenidae) Synonym(s): *pirithous* Linnaeus,1767; *telicanus* Lang,1789 *tetrica* Sagarra,1925. Original Reference: *Papilio pirithous* Linnaeus,1767, Syst. Nat. (Edn.12) 1(2): 790. Type(s): Barbaria [Algeria]. Range (in code): Ad Ae AL As AT BG BY CH Cm Co Cr CY DE Dh DZ EG ES Mu18 FR GR HU IL IT LB LY MA MK MT PT Rd Ru SA Sa Si TN TR UA YE YU JO Act Alc Alv Alm Atu Av Bad Bar Bgs C-L C-M CRE Cas Ccs Cd Cor Cue Cz Ct Gna Gp Grn Gu Hue Hv Jae Lda Leo Mdr Mlg Mu Nrr Ore Pv Lug Ple Rio San Seg Sma Sor Svl Ter Tol Trg Val Vcl Zg Zm ZA Tva Lpo Spb Gau Pre Mpu Brb MZ Pa Hf SD SD91 SD119 TZ Tnga Usa Ani Agi 01 05 06 07 09 11 14 16 17 26 27 30 31 33 34 35 39 42 44 45 46 48 65 70 71 73 81 01F 05A 07B 27C 27Cb 31E 31F 33A 33Aa 39C 46G 46Gf 48F 48L 65D 65Di 73A 80E

**64) Lycaena (Alciphronia) alciphron (Rottemburg,1775)** (Lycaenidae) Synonym(s): *alciphron* Rottemburg,1775; *lambetie* [Denis & Schiffermüller],1775; *hiere* Fabricius,1787. Original Reference: *Papilio alciphron* Rottemburg,1775, Naturforscher 6: 11.Type(s): Deutschland: Berlin. Range (in code): AL Cc AM Bn At Kts AT AZ Ba BG Bry BY CH CN Ui MN CZ DE DK EE ES Mu FR GG GR HU IQ

IR Ab Ak Elb IT KG LT LV PL PT RO RU Si SK Sm So Sr TR T-S UA Uk VI YU KK Or Cb Ty Om Sp Tk Aa Rk Aq Tar Sau DsA Ket KuA TrA NrK 01 02 03 04 05 06 07 08 10 11 12 13 14 15 16 17 18 19 21 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 42 43 44 46 49 50 51 53 56 58 60 61 62 65 66 69 71 72 73 74 76 80 03C 04D 04Db 05A 06B 06G 06K 06P 06R 06Rd 06V 12A 12Aa 12B 13A 13Ac 13Aç 13Ad 13Af 13Ax 13C 13Cf 13E 13Ea 13F 13G 13Ga 13Gv 13Gw 16R 21O 23D 23Dc 23I 23Ia 23Ib 23M 24B 24Bb 24G 24H 25F 25Fa 25Fb 25Fc 29A 29Ae 29F 30B 30Bc 30Bx 30Br 30D 30Du 31M 33H 36B 36D 36Dd 36Df 36E 36F 36Fb 36H 38G 38Ga 46F 46H 46Hc 49E 49Ea 49F 49Fd 56F 58C 58G 58Ga 62E 62F 65B 65Bk 65Bo 65Bx 65D 65Dc 65Dd 65Dda 65Dk 65Dm 65Do 65Doa 65Dp 65E 65Eb 65F 65Fe 65Fh 65Fç 65Fj 65Fp 65Fz 65G 65Gm 65K 65Kb 65Kc 65Kö 65Kü 65Kg 65Kl 65Km 66A 69B 69Ba 72E 72Ec 72Ei 73C 73Cd 75A 75Ab 75Ac 75D 75E 75F 75Fa 76A 76Ab 76C 80B 80Bc

- 65) **Lycaena (Heodes) virgaureae (Linnaeus,1758)** (Lycaenidae) Synonym(s): *virgaureae* Linnaeus,1758; *armeniaca* A.Bang-Haas,1906; *chrysorhoas* Fruhstorfer,1917; *balcanicola* Graves,1928. Original Reference: Papilio virgaureae Linnaeus,1758, Syst. Nat. (Edn.10)1: 484. Syntypes: Europa, Africa; [Sweden (Verity,1943)]. Range (in code): AL AM TR Bn At Kts AT Aty Ba BE BG BY CH Cm CN CZ DE DK EE ES FI FR Cc GG IR Ab Qo GR HU IT Ju KG KK LT LU LV MK MN NL NO PL PT RO RU SE SK Sm So Sr St Tk UA Ui VI YU TeA Kuz DsA TrA T-S 01 03 04 05 06 08 11 13 14 16 18 24 25 26 29 30 32 33 36 37 42 43 46 51 53 58 60 62 65 66 69 75 76 78 04D 04Db 05A 06D 06E 06R 06Rd 13G 13Ga 13Gc 13Gv 25F 25Fb 25Fc 30D 30Db 30Dt 36D 36Db 36Dd 36F 36Fa 36Fb 36H 37V 46F 53N 65B 65Bk 65Bx 65D 65Dc 65Dl 65Do 65F 65Fc 65Fg 65Fh 65Fe 65Fj 65Fi 65Fq 65Ft 65Fu 65Fx 65Fp 65Fz 65G 65Ge 65Gp 65K 65Km 66A 75A 75Aa 75Ab 75F 75Fa 76A 76Ab 76C 78D 78Da

- 66) **Lycaena (Loweia) tityrus (Poda,1761)** (Lycaenidae) Synonym(s): *tityrus* Poda,1761; *acrion* [Brünnich],1763; *orientalis* Staudinger,1881; *argentifex* Balint,1990. Original Reference: Papilio tityrus Poda,1761, Insecta Musei Graecensis: 77. Type(s): [Austria]: Graz. Range (in code): AF Ca AL Cc AM Bn At AT AZ Ba BE BG BY CH CZ DE DK EE ES FR GG GR HU IQ IR Ab Ak Msw Elb Th Ha IT LB LT LU LV MK NL PL PT RO RU SK Sm So Sr TR UA YU KG Tt Uk Aq Rk Ka Pw Om Sp Tk DsA Tar Lps CN Ui 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 04D 04Db 05A 06A 06B 06D 06G 06H 06K 06P 06R 06Rd 06S 06V 06Z 12A 12Aa 13A 13Ab 13Ax 13B 13Bg 13F 13G 13Ga 13Gv 13Gs 13Gü 13Gw 14I 14Ib 21K 21O 23I 23Ia 23Ib 23M 25F 25Fa 25Fb 25Fc 27C 27Cb 30D 30Dh 30Dt 34K 36D 36F 39C 44F 44Fb 46F 46Fc 46G 46Gf 49E 49Ea 49F 49Fb 49Fd 56F 58G 58Gj 58R 65D 65Dc 65Dç 65Dk 65Dl 65Dr 65Drb 65Dt 65E 65Eb 65Ec 65F 65Fh 65Fg 65Fe 65Fj 65Fu 65Fr 65Fq 65Fz 65G 65Gp 65Go 66A 73C 73Cd 78D 78Da 80A 80B 80Bc

- 67) **Lycaena (Margelycaena) euphratica (Eckweiler,1989)** (Lycaenidae) Synonym(s): *euphratica* Eckweiler,1989 Original Reference: Lycaena (Phoenicurusia) euphratica Eckweiler,1989, Nachr. ent. Ver. Apollo (N.F.) 10(2): 83-90, figs. Holotype ♂: Türkiye: Bingöl, 14-24km S Genç, 1200-1400m (ITZA). Range (in code): TR IR Ab 02 12 13 25 30 49 65 72 73 02F 12B 13G 13Gb 13Gö 13Gğ 13Gv 13Gw 30D 30Dt 49E 49Ea 65D 65Dç 65F 65Fb 65Fc 65Fe 65Fh 65Fz 72E 72Eh 73C 73Cd

- 68) **Lycaena (Palaeochrysophanus) candens (Herrich-Schäffer,[1845])** (Lycaenidae) Synonym(s): *candens* Herrich-Schäffer,[1845] Original Reference: Polyommatus candens Herrich-Schäffer,[1845], Syst. Bearb. Schmett. Eur. 1: 133, figs.240-243. Syntypes: [Türkei]: Brussa [Bursa, Uludagh]. Range (in code): AL Cc GG Akh Cbo GR IR Ab Elb Mz RO TR Arr YU BG B-H HV MK Ril 03 04 05 06 08 13 14 16 18 24 25 28 29 30 36 43 49 52 53 58 60 61 65 66 69 75 76 05A 06G 13A 13Ad 14I 14Ib 25F 25Fc 30B 30Ba 30Bb 30Bk 36D 36Db 36F 36Fb 49F 49Fd 60C 65A 65B 65Bk 65Bx 65D 65Dba 65F 65Fi 65Fq 65Fü 65Fz 65G 65Ge 65Gv 65Gz 66A 69B 69Ba 75A 75Ab 75Ac 75D 75E 75F 75Fe 76A 76Ab 76C

- 69) **Lycaena (Thersamonia) asabinus (Gerhard,[1850])** (Lycaenidae) Synonym(s): *#helius* Herrich-Schäffer,[1851]; *asabinus* Herrich-Schäffer,[1852]. Original Reference: Polyommatus asabinus Gerhard,[1850], Versuch Monogr. eur. Schmett.: 3: 7, Taf.9 figs.3a-c. Type(s): [Türkei]: Amasya. Range (in code): Cc GG IQ IR Ab Jal Qba LB TR 01 03 04 05 07 08 12 13 21 23 24 25 30 32 33 36 42 44 46 47 50 51 52 56 58 62 65 70 73 01K 05A 12A 12Ab 13A 13Ab 13Ac 13Ax 13C 13Cd 13F 13G 13Gs 13Gü 13Gw 21O 23I 25F 25Fa 36D 36Da 44E 44F 44Fb 44L 46F 46Fc 46G 46H 46Hc 47B 56F 58G 58Gi 62E 62F 65B 65Bk 65Bo 65Bx 65D 65Dk 65Do 65Dr 65Drb 65Dt 65Gv 65Gz 65F 65Fç 65Fd 65Fj 65Fp 65Fr 65Fx 65Fz 65K 65Kb 65Kl 65Kö 65Kz 65Kg 65N 65Np 65Np2 65Nr4 65Nr7 65Nm 73A 73Ad 73Ad2

- 70) **Lycaena (Thersamonia) kefersteinii (Gerhard,[1850])** (Lycaenidae) Synonym(s): *kefersteinii* Gerhard,[1850]; *phaeton* Freyer,[1850]; *#ochimus* Herrich-Schäffer,[1851]; *ochimus* Herrich-Schäffer,[1852]. Original Reference: Polyommatus kefersteinii Gerhard,[1850], Versuch Monogr. eur. Schmett.: 7, pl.9 figs.4a-c. Syntypes: Türkiye [=Amasya]. Range (in code): He IL LB TR IR Ab Khy Ak Sah Elb Th Cc GG Ru Smt Akh Sah Zj Mz 01 02 04 05 06 07 08 11 12 13 14 21 23 24 25 29 30 32 33 35 36 38 42 43 44 46 47 50 51 56 58 60 62 63 65 66 68 69 70 71 73 76 01K 02E 02Ec 04C 04D 04Da 05A 06A 06Aa 06B 06K 06Kc 06P 06V 06Z 07A 07Ad 12B 13F 13G 13Gv 14I 14Ib 21O 23D 23Dc 23I 23Ib 25E 25F 25Fa 25Fb 25Fh 30B 30Bg 30Bk 33K 35S 35Sb 36D 36F 36Fb 38H 38Hc 44E 46F 46Fc 46G 46H 46Hc 56F 58C 58G 58Ga 58Gd 58Gi 58Gj 62F 65B 65Bk 65Bn 65Bn1 65Bo 65Bx 65G 65Gc 65Gf 65Gn 65Gs 65D 65Dç 65Df 65Dk 65Dr 65Drb 65F 65Fç 65Fd 65Fe 65Fi 65Fp 65Fr 65Fz 65K 65Kb



65Kç 65Kl 65Km 65Kö 65Ks 65Ku 65Ky 65Ky1 65Kz 65M 65Md 65N 65Np 65Np2 65Nr7 65Nm 66P 66Pa 69B 70C 70Ca 72E 72Eg 72Eh 73C 73Cd 76B

- 71) **Lycaena (Thersamonia) kurdistanicus (Riley,1921)** (Lycaenidae) Synonym(s): *kurdistanica* Riley,1921 Original Reference: Heodes thersamon ssp. kurdistanica Riley,1921, Ann. Mag. nat. Hist. 8: 598. Syntypes: Iran: Harir, Karind Gorge and Kermanshah (BMNH). Range (in code): AF Hr BLM IR Ak Ab Sro Shf Jal Km IQ TR LB 13 30 49 56 65 72 73 13A 13Ab 13Ax 13F 13G 13Gv 13Gu 13Gü 13Gw 13Gç 30Bb 30Bb 30C 30Ce 30D 30Dg 30Dh 30Du 49F 49Fb 49Ff 56F 65B 65Bk 65Bx 65D 65Dç 65Dd 65Dda 65Dg 65Dh 65Dk 65Dr 65Drb 65Dn 65F 65Fd 65Fe 65Fk 65Fç 65F3 65F1 65Fq 65Fx 65Ft 65Fp 65Fr 65Fü 65Fz 65G 65Ge 65Gp 65Gs 65Gv 65Gz 65K 65Kb 65Kc 65Kg 65Kl 65Km 65Ks 65Ku 65Ky 65Ky1 65N 65Nb 65Nr2 65Nr4 65Nm 65M 65Md 72F 7
- 72) **Lycaena (Thersamonia) lampon (Lederer,1870)** (Lycaenidae) Synonym(s): *lampon* Lederer,1870 Original Reference: Polyommatus lampon Lederer,1870, Horae Soc. ent. ross. 8: 8, Taf.I figs. 2,3. Syntypes 9♂ 4♀: [Iran]: Astrabad [=Gorgan]. Range (in code): IR Ab Khy Elb Th Mz Es Fa Ke Ss TR TM Kp 13 25 30 65 13G 13Gv 65B 65Bk 65Br 65Bx 65D 65G 65Ge 65Ge 65F 65Fe 65Fö 65Fü
- 73) **Lycaena (Thersamonia) thetis (Klug,1834)** (Lycaenidae) Synonym(s): *thetis* Klug,1834. Original Reference: Lycaena thetis Klug,1834, [in] Ehrenberg, Symb. Phys. Ins. 4: pl.40 figs. 17,18. Syntypes: Syria. Range (in code): GR IQ IR Ab Sro Qba Elb Th LB Cc TR Arr 01 03 04 05 06 07 08 12 13 16 24 25 29 30 32 33 35 36 38 42 44 46 48 49 51 58 60 62 65 66 69 70 73 75 76 05A 06B 06R 06Ri 12E 12Ea 13A 13Aa 13G 13Gv 13Gu 24B 24Bb 24D 25F 25Fa 30B 30Bb 30Bk 30D 30Dh 30Du 30Dt 36D 36Db 36F 36Fb 36H 44O 44Od 46F 49F 49Fd 58G 58Gi 58Gg 65B 65Bk 65Bx 65D 65Dc 65G 65Ge 65Gl 65Gp 65F 65Fe 65Fm 65Fq 65Fç 65Fu 65Fx 65Fw 65Fe 65Fh 65Fz 65G 65Ge 65K 65Kb 65Kc 65Kg 65Kl 65Km 65Kö 69B 69Ba 70C 70Cb 75F 75Fa 76B 76C
- 74) **Lycaena (s.str.) phlaeas (Linnaeus,1761)** (Lycaenidae) Synonym(s): *phlaeas* Linnaeus,1761; *virgaureae* Fourcroy,1785 nec Linn.,1758; *eleus* Fabricius,1798; *aestivus* Zeller,1850; *schmidtii* Gerhard,1853 Original Reference: Papilio phlaeas Linnaeus,1761, Fauna Suecica (2): 285. Type(s): Sweden, Westermannia. Range (in code): Ad Ae AF AL AM Ao As At AT Aty AZ Ba BE BG BY CH Cm CN Co Cr CY CZ DE DK EE ES FI FR GB GG GR HU IE IL IN IQ IR IT JO KG Kgs KK Kmt Ku LB Ld LT LU LV MK MN MT NL NO PK PL PT Rd RO RU SA Sa SE Si SK Sm So Sr SY Ti TJ Tk TM TR UA Ui Uk VI YE YU Cw Dv Smt Mu18 Bn Cy LY H-W Sur Ssx Ken MA DZ TN Pm Bik Ci Bl Ca Cp Sau Tar Dsa Ax TrA KuA TeA Ket T-S Pes Tre Mus Krl JP US Cf UG ZR ET Mon Abt Ca Msc Ab Ak B-A Bk Brz Bu By Es Fa Gh Gor Ha Hz Il Kaz Kd Kh Km Kz Lo Ma Mz Qz Se Ss Th Yz Zj Prj Us Pa Hf Sml Arr Act Alc Alv Alm Atu Av Bad Bar Bgs C-L C-M CRe Cas Ccs Cd Cor Cue Cz Ct Gna Gp Grn Gu Hue Hv Jae Lda Leo Mdr Mlg Mu Nrr Ore Pv Lug Ple Rio San Seg Sma Sor Svl Ter Tol Trg Val Vcl Zg Zm US Aks Cf Cnt Col Dw Ge Id Idp Ilh Io Kan Knt Mai Meh Mis Mns Mon Mrl Msc NCa NDk NMx Neb Nh Nje Ny Oh Ok Org Pns RDi SDk Tnn Ut Vi Vr WVi Wc Wy Um Adu Bgd Cc Msw Qba Bhh Gha Azr Rbt Ges Ng Jla Hr BLM 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 41 42 44 45 46 47 48 49 50 51 52 53 54 55 56 58 59 60 61 62 63 65 66 68 69 71 72 73 74 76 78 80 81 04D 04Db 05A 06B 06D 06G 06K 06P 06R 06Rd 06V 06Z 13A 13Ab 13Ac 13Af 13Ax 13B 13Bg 13F 13F33 13G 13Ga 13Gö 13Gç 13Gv 13Gm 13Go 13Gs 13Gü 13Gy 13Gw 21L 21Le 21N 21Nb 23C 23Cc 23D 23Dc 23I 23Ia 23Ib 23E 23M 25F 25Fa 27C 27Cb 30B 30Bk 30D 30Dt 31A 31Aa 31C 31Cb 31F 31K 31Ka 31L 31La 31M 33A 33K 35T 35Td 36D 36Db 36F 36Fb 38H 38Hc 39C 44F 44Fb 44L 44Lc 45L 45La 46F 48A 48Aa 48Ak 48D 48F 48L 49E 49Ea 49F 49Fb 56F 58G 58Ga 58Gj 58Gi 60H 62F 63D 65B 65Bk 65Bn 65Bn1 65Bx 65D 65Dc 65Dk 65Dm 65Do 65Dr 65Drb 65Dt 65Dw 65E 65Eb 65Ec 65F 65Fç 65Fd 65Fe 65Fg 65Fn 65Fl 65Fj 65Fi 65Fp 65Fq 65F3 65Fu 65Ft 65Fx 65Fz 65G 65Ga 65Ge 65Gp 65Gn 65K 65Kl 65Km 65Kö 65Ks 65Kü 65Kw 65Ky 65Ky1 65N 65Nc 65Nr2 65Nm 66A 73C 73Cd 73D 73Da 73Db 73Df 75F 75Fa 76A 76Ac 76Ad 76B 76Be 76Bf 76Bh 76Bj 76C 76D 76Db 78D 78Da 80B 80Bc
- 75) **Phengaris arion (Linnaeus,1758)** (Lycaenidae) Synonym(s): *arion* Linnaeus,1758; *telegone* Bergsträßer,1779; *telegones* Bergsträßer,1779; *mamers* Bergsträßer,1779; *arctophoni* Bergsträßer,1779; *arcina* Fruhstorfer,1910; *eutyphron* Fruhstorfer,1915; *microchroa* Verity,1948; *gelriae* Lempke,1956 Original Reference: Papilio arion Linnaeus,1758, Syst. Nat. (Edn.10)1: 483. Type(s): Europa [Deutschland, Nürnberg]. Range (in code): AL At Bn Kts AM Cc AT Ba BE BG BY CH CN Co CZ DE DK EE ES FI FR GB GG Bjo GR HU IT HV IR Ab Ak Ar Kb Kc LT LU LV MK NL PL PT RO RU Pja SE SK Sm So Sr St TR T-S UA Ui VI YU B-H WAt SAT Cat Nat Sau Tar Dsa Ket Tu KuA TrA KG 03 04 05 06 08 13 14 16 24 25 29 34 36 49 62 65 69 74 75 76 04E 05A 06E 13G 13Gv 34M 36F 49F 49Fd 65D 65F 65Fe 65Fp 65Fz 65K 65Kd 65Kg 65Kz 75A 75Aa 75F 75Fa 76C
- 76) **Plebejus (Kretania) carmon (Gerhard,[1851])** (Lycaenidae) Synonym(s): *carmon* Gerhard,[1851, November]; *eurypilus* Freyer,[1851,December]. Original Reference: Lycaena carmon Gerhard,[1851], Versuch Monogr. eur. Schmett. (7):15,nr.58, pl.25 figs.1a-c. Syntypes: Türkei [=Amasya]. Range (in code): AM AZ Cc Arr GG Smt Akh GR Sms IL Pa IR LB RU Kr SY TR 01 02 03 04 05 06 07 08 12 13 14 16 18 19 21 23 24 25 26 27 28 29 30 31 32 33 35 36 38 42 44 46 47 48 49 50 51 56 58 60 62 63 64 65 66 69 70 71 72 73 74 76 79 01H 01K 04D 04Db 05A 06B 06C 06D 06K 06R 06Rd 06V 06Z 07A 07Al 13A 13Ac 13Ad 13Ae 13Af 13Ag 13Ah 13Ax 13B 13Ba 13C 13Cd 13Cf 13G 13Gv 13Gw 21N 21Nb 21L 21Le 21O 23Cc 23I 23Ia 23Ib 24E 24Ea 25F 25Fa 25Fb 25Fc 27B 27C 30A 30B 30Bb 30Bc2 30Bx 30Bk 30Br 30C 30D 30Dt 33O 35S 35Sb 38C 38Ca 42D 42Dc 42H 42X 42Xa 44E 44I 44L 44Lb

44Lc 44O 44Od 46G 46Gf 49E 49Ea 49F 49Fe 56B 56F 58C 58G 58Gd 58Gi 63D 63H 63M 65B 65Bk 65Bo 65Bx 65D 65Dc 65Dd 65Dda 65Di 65Do 65E 65Eb 65F 65Fc 65Fg 65Fi 65Fh 65Fe 65Fm 65Fj 65Fü 65Fp 65Fz 65G 65Gl 65Gp 65Gm 65Gu 65Gz 65Gb 65K 65Kg 65Kb 65Kc 65Kl 65Kö 65Kü 65N 65Nb 65Np2 65Np5 65Np7 65Nr3 65Nr6 65Nm 66A 72E 72Eb 72Ec 72Eh 72Ei 72Ek 73A 73C 73Cd 76C 76D 76Da 76Dc 79B 79Ba

77) **Plebejus (Lycaeides) idas (Linnaeus,1761)** (Lycaenidae) Synonym(s): *idas* Linnaeus,1761; *leodorus* Esper,1782; *acreon* Fabricius,1787; *amphion* Fabricius,1793. Original Reference: Papilio idas Linnaeus,1761, Fauna Suecica (2): 284. Type(s): Suecia. Range (in code): T-S Ui Ku Cc AM Ao At AT Ba BE BG B-H BY CH Co CZ DE DK EE ES Fi FR GG GR HU HV IT IR Ab Elb KG KK LB LT LV MK NL NO PL PT RO RU Sa SE Si SK Sm So Sr SS TR Arr UA Uk Vi YU DsA TeA KuA TrA US Cf Col Id Mai Mch Mns Mon Ne Org Ut Wc Ws Wy 01 03 04 05 06 07 08 13 14 16 18 19 24 25 26 29 30 33 36 37 38 39C 42 44 46 49 51 52 53 58 62 65 66 67 69 70 73 74 76 01K 04D 04Db 05A 06R 13G 13Gv 13Gw 25F 25Fb 30B 30Ba 30Bb 30Bk 30D 30Dt 39C 46F 49E 49Ea 65Bx 65D 65Dc 65F 65Fc 65Fe 65Fq 65Fz 65G 65Ge 66A 73A 73Ad 73Ad2 73C 73Cd 76C 76A 76Ab

78) **Plebejus (Plebejides) zephyrinus (Christoph,1884)** (Lycaenidae) Synonym(s): *zephyrinus* Christoph,1884 Original Reference: Lycaena zephyrus var. zephyrinus Christoph,1884, [in] Romanoff, Mém. Lépid. 1: 102. Syntypes: [Turkmenistan]: Askhabad. Range (in code): TR Cc AZ Nv Ord GG IQ IR KG Kp TM Sau Mn Ak Ab Elb Mz Lo Fa Shr RU T-S Ax Fe UZ 13 30 56 65 72 73 76 13A 13Ag 13Ax 13B 13Ba 13Bg 13D 13Da 13E 13Ea 13G 13Ga 13Gv 13Gw 30A 30B 30Ba 30Bb 30Bc2 30Bx 30Bg 30Bk 30D 30Dt 56F 65B 65Bk 65Bx 65D 65Dc 65Dd 65Dda 65Do 65Df 65Dj 65Dk 65Dl 65Dq 65Dp 65Dm 65G 65Ge 65Gt 65F 65Fb 65Fc 65Fd 65Fm 65Fg 65Fh 65Fe 65Fp 65Fq 65Fs 65Fz 65Fl 65K 65Kl 65Kz 65Kg 65Ky 65Ky1 65N 65Np 65Np2 65Np5 65Np7 65Nr2 65Nr3 65Nm 72E 72Eh 76C 76D 76Da

79) **Plebejus (s.str.) argus (Linnaeus,1758)** (Lycaenidae) Synonym(s): *argus* Linnaeus,1758; *aegon* Denis & Schiffermiller,1775; *plouharnelensis* Oberthür,1926; *pulchrophilonome* Verity,1931. Original Reference: Papilio argus Linnaeus,1758, Syst. Nat. (Edn.10): 483. Syntypes: Europa, Africa. Range (in code): AL Ao At Bn Kts AT Ba BE BG BY CH CN Co CZ DE DK EE ES Mu FI FR GB GR HU IT IR Elb Ab Ak IQ KG Ku LT LU LV NL NO PL PT RO RU Sa SE Si SK Sm So Sr TR Cc GG Smt Akh AZ AM UA Ui Kml Uk Vi Ya YU Cw Dv Smt H-W Sur Ssx Ken Kuz Sli Sau Tar Mn Mgd KP KR JP Sh Us Arr Shf Khy AF Kab 01 03 04 05 06 07 08 10 13 14 16 17 18 22 24 25 26 28 29 30 32 33 34 36 37 38 39 41 42 43 46 49 50 51 52 53 54 55 58 59 60 62 65 66 67 69 70 73 75 76 78 04D 04Db 05A 06B 06C 06E 06G 06H 06R 06Rd 06V 06Z 13A 13Ac 13Ac 13Ad 13Af 13Ag 13Ax 13G 13Ga 13Gd 13Gv 13Gw 14I 14Ib 25F 25Fa 25Fb 25Fc 30B 30Bb 30Bk 30D 36F 36Fb 38C 38Ca 38H 46F 46Fc 46Fg 49E 49Ea 49Ec 49Ef 49F 49Fd 58R 58Rb 65B 65Bc 65Bo 65Bx 65D 65Dc 65Dc 65Dc1 65Do 65Doa 65F 65Fc 65Fe 65Fi 65Fg 65Fh 65Fü 65Fq 65Fp 65Fs 65Fw 65Fz 65G 65Gb 65Gp 65Gv 65Gz 65H 65Ha 65K 65Kc 65Kg 65Kl 65Km 65Kö 65Kü 65Ks 66A 76C 76A 76Ab 76B 76Bf 76Bh 76D 76Da 78D 78Da

80) **Polyommatus (Albulina (Plebejidea)) loewii (Zeller,1847)** (Lycaenidae) Synonym(s): *loewii* Zeller,1847; *empyrea* Gerhard,[1851]; *gigas* Staudinger,1871; *#robusta* Turati & Fiori,1930; *germanicae* Pfeiffer,1932; *dzhegamati* Sheljuzhko,1934. Original Reference: Lycaena loewii Zeller,1847, Isis 1847: 9-10. Syntypes ♂♀: [Türkei]: Makri [Fethiye]. Range (in code): Nwf Ci Bl Chm Bm Kab AF Cc AM AZ EG GG Smt Akh GR IL IQ IR Ab Ak Msw Zj By Fa Elb Th JO Kc KG KK LB Nf Nj OM PK Rd RU SA SY TJ TM TR Ld Ng Hr Log Kab 01 02 03 04 05 06 07 08 12 13 14 15 18 21 24 25 26 27 29 30 32 33 35 36 37 38 40 42 43 44 46 47 48 49 50 51 53 56 58 60 62 63 65 66 69 70 71 72 73 75 76 78 80 04D 04Db 05A 06C 06G 06K 13A 13Ac 13Ae 13Ax 13B 13Ba 13G 13Gb 13Gv 13Gc 13Gw 21O 25F 25Fa 25Fb 25Fc 27C 27Cb 30A 30B 30Bc2 30Bx 30Bk 30Bo 30Br 30D 30Dt 30Du 36F 36Fb 40D 43G 44E 44L 44Lc 44O 44Oc 44Od 46F 48A 48Ak 48D 49A 49Aa 49E 49Ef 49F 49Fd 56F 58C 58G 58Ga 58Gi 58R 58Rb 63B 63D 63F 63H 63G 65B 65Bk 65Bx 65D 65Dc 65Dc 65Dc1 65Dl 65Dlc 65Dp 65Do 65G 65Ge 65Gp 65Gl 65E 65Ea 65Eb 65F 65Fc 65Fg 65Fh 65Fi 65Fj 65Fe 65Fn 65Fm 65Fp 65Fü 65Ft 65Fx 65Fc 65Fz 65K 65Kc 65Ké 65Kg 65Kl 65Kö 65Kü 65Kz 65N 65Nb 65Np 65Np5 65Nr3 65Nr4 65Nm 66A 72E 72Eh 76C 76D 76Da 78D 78Da

81) **Polyommatus (Albulina (Vacciniina)) alcedo (Christoph,1877)** (Lycaenidae) Synonym(s): *alcedo* Christoph,1877 Original Reference: Lycaena alcedo Christoph,1877, Horae Soc. ent. ross. 12: 233, pl.5 figs.3,4. Syntypes: [Iran]: Schahkuh, Schahrud. Lectotype ♀: [Iran]: Schahkuh (designated by Balint,1999, Neue ent. Nachr. 46: 9) (BMNH). Range (in code): Cc AM AZ IR Ab Yz Elb Ke TR IQ 08 13 24 25 27 29 30 32 36 38 50 51 56 58 62 65 69 73 76 13G 13Gv 13Gw 36F 36Fb 56F 65D 65Dc 65Dc1 65Do 65Doa 65Dp 65G 65Gb 65Gp 65Gs 65F 65Fe 65Fi 65Fj 65Fp 65Fz 65K 65Kg 65Kl 76D 76Da

82) **Polyommatus (Albulina (Vacciniina)) morgianus (Kirby,1871)** (Lycaenidae) Synonym(s): *hyrcana* Lederer,1869 nec Feld.,1860; *morgiana* Kirby,1871. Original Reference: Cupido morgiana Kirby,1871, Syn. Cat. Diurnal Lepid.: 369, nr.232 (pro hyrcana Led.,1869 nec Felder,1860). Range (in code): TR Cc AZ Nv IR Ak Ab Kh Es Fa Ke Elb Mz Yz Ss 65 65B 65Bk 65Bx 65D 65Do 65G 65Gd 65Ge 65Gj

83) **Polyommatus (Aricia (Eumedonia)) eumedon (Esper,[1780])** (Lycaenidae) Synonym(s): *chiron* Rottemburg,1775 nec Fabr.,1775; *eumedon* Esper,[1780]; *osiris* O.Bang-Haas,1927 nec Hopff,1855; *rumeliensis* Eitschberger & Stein.,1975; *jeanensis* Eitschberger & Stein.,1975; *kagizmanensis*



Koçak,1980. Original Reference: Papilio eumedon Esper,[1780], Die Schmett. 1 (Bd.2) Forts. Tagschmett.: 16: pl.52, figs.2,3. Range (in code): AL Bn Kts At AT Aty Ba BG BY CH CN CZ DE EE ES FI FR Cc GG GR HU Ir IT KK KG Kmt LB LT LV NO PK PL RO RU SE Si SK Sm So Sr TR T-S UA Ui YU Or Uk Bs Ch Kt Ty Kw Om Pw Sp Mn No Tk Aa Db Syr Tm Sau Tar Kuz Sli Dsa Ket TeA KuA TrA Ax Bbu Ci Gg Nwf T-S IR Ab Sry Evl Arr 01 03 05 06 08 13 14 16 18 24 25 29 30 32 33 36 38 42 46 51 53 58 60 61 65 66 69 70 74 75 76 78 05A 06C 06D 06G 06R 13G 25F 25Fc 30B 30Bb 36F 46F 46Fc 65A 65Ab 65B 65Bk 65Bx 65D 65Da 65G 65Ge 65F 65Fc 65Fz 65Fü 66A 70A 75F 75Fe 76C

**84) Polyommatus (Aricia (Ultraaricia)) crassipunctus (Christoph,1893)**

(Lycaenidae) Synonym(s): *crassipunctus* Christoph,1893; #*crassipunctata* Seitz,1909. Original Reference: Lycaena anteros var. *crassipuncta* Christoph,1893, Dt. ent. Z., Iris 6: 86. Type(s): Armenia rossicae [Türkei]: [Iğdır Pr.]: Kazıkoparan. Range (in code): Cc AM IQ IR Ab Ak Nv Elb Th Es TR 08 13 21 24 25 30 36 38 44 46 53 62 65 76 80 13G 13Gt 25C 25Ca 30B 30Bb 30Bc2 30Bx 30Bk 30D 30Du 38C 38Ca 65A 65Ab 65B 65Bk 65Bx 65D 65Da 65G 65Gd 65Ge 65Go 65F 65Fq 65Fr 65Fu 65Fi 65Fz 65K 65Kö 76B 76Bf 76Bh 76C

**85) Polyommatus (Aricia (s.str.)) agestis ([Denis & Schiffermüller],1775)**

(Lycaenidae) Synonym(s): *medon* Hufnagel,1766 nec Linn.,1763; *alexis* Rottemburg,1775 nec Poda,1761; *agestis* [Denis & Schiffermüller],1775; *astrarche* Bergsträßer,[1779]. Original Reference: Papilio agestis [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett, Wienergegend: 184. Type(s): [Austria]: Vienna district. Range (in code): AL AM Ao At AT AZ Ba BE BG B-H BY CH CN Co Cr CZ DE DK FR GB GG GR ES Mu HU HV IL IQ IR IT JU KG KK Ku LB LT LU MK MT NL PL Rd RO RU SE Si SK Sm So Sr SS SY Tk Tm TR T-S UA Ui Uk Vl YU Cw Dv Smt H-W Sur Ssx Ken LAT Wn Sau Tar DsA TrA Ax T-S PK Nwf Ci Mre Haz IN Kma Bl Sml Hp Ch CY Ab Sro Msw Qba Ak Elb Th Kp Fa Cc Arr AF Hr 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 29 30 31 32 33 34 35 36 37 38 39 40 41 42 44 45 46 47 48 49 50 51 54 55 56 58 60 61 62 63 65 66 68 69 70 71 72 73 75 76 78 81 01H 01G 01D 04D 04Db 05A 06A 06B 06C 06D 06G 06K 06N 06Nc 06R 06Rd 06S 06V 06Z 13A 13Ab 13Af 13Ax 13D 13Da 13E 13Ea 13F 13F35 13G 13Gö 13Gğ 13Gs 13Gw 21L 21Le 21Lf 21N 21Nb 21O 25F 25Fa 27C 27Cb 27E 30A 30B 30Bk 30Br 30D 30C 31A 31Aa 31B 31L 31La 33K 33O 36F 36Fb 39C 44E 44F 44Fb 44L 44Lc 44T 45L 45La 46F 46Fc 46Fd 46G 46Gf 48A 48Ak 48Ad 48Ai 48F 49E 49Ea 49F 49Fb 56F 58C 58G 58Gi 63B 63D 63E 63G 63M 65B 65Bk 65Bx 65D 65Dj 65Dk 65Dq 65Dn 65Dr 65E 65Eb 65Ec 65Ed 65F 65Fd 65Fg 65Fh 65Fj 65Fi 65Fz 65Fc 65G 65Ga 65Gb 65Gh 65K 65Kl 65Km 65Ku 65N 65Nç 65Nl 65Np 65Np8 65Nm 65Nn 66A 70C 70Cb 72E 72Eb 72Ei 73A 73Ad 73C 73Cd 73D 73Db 76A 76Ac 76Ae 76E 76Ea 76D 76Da 76Dc 76Dg 78D 80C 80E 80G

**86) Polyommatus (s.str. (Agrodiaetus (Actisia))) haigi (Dantchenko & Lukhtanov,2002)**

(Lycaenidae) Synonym(s): *haigi* Dantchenko & Lukhtanov,2002 Original Reference: Agrodiaetus haigi Dantchenko & Lukhtanov,2002, Atalanta 33 (1/2): 99-100, figs. Holotype ♂: Turkey: Van Prov., Çatak 34km N 2100m 22.vii.2001 A.Dantchenko leg. (MCZH). Range (in code): TR 13 65 13G 13Ge 65Bx 65D 65Dda 65Fz 65G 65Ge 65K 65Kd 65Kg

**87) Polyommatus (s.str. (Agrodiaetus (Actisia))) pseudactis (Forster,1960)**

(Lycaenidae) Synonym(s): *pseudactis* Forster,1960 Original Reference: Agrodiaetus actis ssp. *pseudactis* Forster,1960, Z. Wien. ent. Ges. 45: 107-109, Taf.10 & 11 figs. 4 & 5. Holotype ♂: Armenia, mts. Daralagez, pag. Martiros, ca.2000m. Range (in code): Cc AM Eri IR Gor Ab Khy IQ Ry TR Arr 01 03 04 08 24 25 29 30 31 36 38 42 44 46 49 50 51 58 62 65 66 69 76 30B 30Bd 30Bh 36D 44L 44Lc 46F 49E 49Ea 65A 65B 65Bk 65Bx 65D 65Dç 65Dp 65G 65Ge 65F 65Fe 65Fj 65Ft 65Fz 65N 65Np8 65Nr6 65Nm 66A 76C 76D 76Da

**88) Polyommatus (s.str. (Agrodiaetus (Admetusia))) alcestis (Zerny,1932)**

(Lycaenidae) Synonym(s): *alcestis* Zerny,1932; *ahmadi* Carbonell,2001; *karacetinae* Lukhtanov & Dantchenko,2002. Original Reference: Lycaena (Hirsutina) *ripperti* ssp. *alcestis* Zerny,1932, Dt. ent. Z., Iris 46: 186-187. Syntypes: Lebanon: Bscharre, 1400-1900m. Lectotype ♂: Liban: Cedern b. Becharré, 1900m (designated by Balint,1999, Neue ent. Nachr. 46: 9) (BMNH). Range (in code): IL He Pa Cc AM GG IQ IR Ab Ak Mrd Zj LB TR SY Bld 01 04 06 13 14 21 23 24 25 26 30 32 33 36 38 42 44 46 50 51 58 62 65 66 73 04D 04Da 06K 06N 13G 13Gv 13Gw 21K 23I 23Ia 23Ib 24L 25F 25Fa 30B 30Ba 30Bc 30Bx 30Bd 30Bh 30Bg 30Bj 30D 30Dt 44E 46F 46Fj 58G 58Gi 62F 60C 65Bx 65D 65Dc 65Do 65G 65Ge 65Fz 65K 65Kd 65Kg 65N 65Np 65Nr2 65Nm 66P 66Pa 73D 73Dg

**89) Polyommatus (s.str. (Agrodiaetus (Admetusia))) dantchenkoi (Lukhtanov, Wiemers & Meusemann,2003)**

(Lycaenidae) Synonym(s): *dantchenkoi* Lukhtanov, Wiemers & Meusemann,2003 Original Reference: Agrodiaetus dantchenkoi Lukhtanov, Wiemers & Meusemann,2003, Nota lepid. 26 (1/2): 66-71, figs. Holotype ♂: Turkey: Van Prov., 34km N Çatak, 20.vii.2001 Dantchenko leg. (MCZH). Range (in code): BG TR 65 65D 65Dp 65K 65Kd 65Kg

**90) Polyommatus (s.str. (Agrodiaetus (Admetusia))) demavendi (Pfeiffer,1938)**

(Lycaenidae) Synonym(s): *demavendi* Pfeiffer,1938; #*demaventi* de Lesse,1960 Original Reference: Lycaena ripertii ssp. *demavendi* Pfeiffer,1938, Mitt. münch. ent. Ges. 28(2): 194. Holotype ♂: [Iran]: Ort Demavend (Tar-Tal), 2200-2500m. Range (in code): IR Ab Ak Qba Msw Lo Kd Mz Kh

TR Cc AM 04 05 06 13 18 23 24 25 30 36 38 50 56 58 60 62 65 66 71 73 76 05A 06C 06K 06N 06R 06Rd 06Z 13G 13Gv 13Gw 23D 23Dc 23I 23Ia 23Ib 30B 30Br 56F 58G 58Gg 58P 62F 65Bx 65D 65G 65Gd 65Gde 65Ge 65Go 65Gm 65Gs 65Gq 65K 65Kg 65L 65N 65Np 65Ns1 65Nm 66P 73D 73Db 76C

- 91) **Polyommatus (s.str. (Agrodiaetus (Admetusia))) eriwanensis (Forster,1960)** (Lycaenidae) Synonym(s): *eriwanensis* Forster,1960 Original Reference: *Agrodiaetus ripartii* ssp. *eriwanensis* Forster,1960, Ent. Z., Frankf. a. M. 70(3): 19-20. Holotype ♂: [Armenia]: Eriwan (in ZSSM). Range (in code): Cc GG AM Eri Cc TR Arr IR Ab Slm 08 24 25 36 58 62 65 69 75 76 08H 24B 24G 25A 25R 36F 36Fb 36D 58N 62F 65D 65Dp 69B 75A 75F 75Fa 76A 76Ab 76D 76Dg
- 92) **Polyommatus (s.str. (Agrodiaetus (Admetusia))) ripartii (Freyer,[1830])** (Lycaenidae) Synonym(s): *ripartii* Freyer,[1830]. Original Reference: *Lycaena ripartii* Freyer,[1830], Neuere Beitr. Schmett. 3: 128, pl.133, fig.3. Type(s): Spain. Range (in code): At Bn Ba BG BY ES FR GR IT KG KK RU Sm Sr TM TR UA Uk YU Sau Tar TrA DsA Tls Ax Syr Tm T-S CN Ui Cc 01 03 05 06 07 08 13 14 16 18 23 24 25 26 29 30 32 33 34 36 38 40 42 44 46 50 51 58 60 62 65 66 69 70 74 76 78 05A 06B 06K 06R 06Rd 06V 13G 13Gv 25F 25Fa 30D 30Db 44F 44Fb 46F 65D 65Dc 65Do 65Fz 65G 65Go 65Gn 65K 65Kd 65Kg 66A 70C 70Cb 76C 78D 78Da
- 93) **Polyommatus (s.str. (Agrodiaetus (Antidolus))) antidolus (Rebel,1901)** (Lycaenidae) Synonym(s): *antidolus* Rebel,1901 Original Reference: *Lycaena dolus* var. *antidolus* Rebel,1901, Annln naturh. Mus. Wien 16: 167. Syntypes 3♂: [Türkei]: [İğdır]: [Tuzluca]: Takaltu Dag. Lectotype ♂, designated by Forster, 1961, Z. Wien. ent. Ges. 46: 111 (ZSM). Range (in code): TR Cc IR Ab TS 04 12 13 24 25 30 62 65 76 30B 30Ba 30Bc 30Bx 30Bf 30Bg 30C 30Cd 30D 30Da 30Dd 30Df 30Dt 62F 65D 65Dc1 65Dc2 65Do 65F 65F1 65Fj 65Fp 65Fq 65Ft 65Fx 65Fz 65G 65Gb 65Gs 76D 76Dd 76Dj
- 94) **Polyommatus (s.str. (Agrodiaetus (Antidolus))) kurdistanicus (Forster,1961)** (Lycaenidae) Synonym(s): *kurdistanicus* Forster,1961 Original Reference: *Agrodiaetus antidolus* ssp. *kurdistanica* Forster,1961, Z. Wien. ent. Ges. 46: 111, pl.14,15 fig.17. Holotype ♂: [Türkei]: Van: Erek Dag, 2000-2500m, 17.8.1935, leg. Fuss (ZSSM). Range (in code): TR 13 30 65 13A 13Ab 13Ax 13F 13G 13Gv 13Gw 13Gç 30Bb 30Bb 30D 30Du 56F 65D 65Dc1 65Dc2 65Dd 65Dda 65Dg 65Dh 65Dk 65Dr 65Dn 65F 65Fd 65Fe 65Fk 65Fç 65F3 65Fq 65Fx 65Ft 65Fp 65Fr 65Fü 65Fz 65G 65Gp 65Gs 65Gv 65Gz 65K 65Kb 65Kg 65Kl 65Km 65Ks 65Ku 65N 65Nb 65M 65Md 72F 73D 73Df
- 95) **Polyommatus (s.str. (Agrodiaetus (Damaia))) hopfferi (Gerhard,[1851])** (Lycaenidae) Synonym(s): *#hopfferi* Herrich-Schäffer,[August,1851] (uninominal); *hopfferi* Gerhard,[November,1851]; *hopfferi* Herrich-Schäffer,31.December,1851); *hadjina* Heyne,[1895]; *malatiae* Forster,1961. Original Reference: *Lycaena hopfferi* Gerhard,[1851], Versuch Monogr. eur. Schmett. (6): 13, Taf.21 figs.2a-c. Type(s): Türkei [Turkey: Tokat] (destroyed). Range (in code): TR Cc 01 02 03 05 06 07 08 16 21 23 24 25 30 32 42 44 46 50 51 58 60 62 65 70 71 73 05A 06B 06C 06K 06N 21K 23D 23Dc 25F 25Fa 30B 30Bc 30Bx 30Bd 30Bh 30Bf 30Bg 30Bj 44E 44L 44Lb 44O 44Oc 58G 58Ga 58Gi 58Gk 58R 58Rb 62D 62F 62G 62Gb 65D 73A 73Ac
- 96) **Polyommatus (s.str. (Agrodiaetus (Musa))) wagneri (Forster,1956)** (Lycaenidae) Synonym(s): *wagneri* Forster,1956 Original Reference: *Agrodiaetus damone* ssp. *wagneri* Forster,1956, Z. Wien. ent. Ges. 41: 55. Holotype ♂: [Türkei]: Anatolien: Akshehir. Range (in code): TR Cc IQ IR 01 03 04 06 07 08 13 23 24 25 29 30 32 33 36 38 42 46 50 51 58 60 62 65 66 69 70 76 06B 13G 13Gv 13Gw 24B 24Bb 30B 30Bg 30D 30Dt 46F 65B 65Bk 65Bx 65D 65G 65Gd 65Ge 65F 65Fe 65K 65Kg 66A 76C
- 97) **Polyommatus (s.str. (Agrodiaetus (Phyllisia))) baytopi (De Lesse,1959)** (Lycaenidae) Synonym(s): *baytopi* De Lesse,1959 Original Reference: *Agrodiaetus baytopi* De Lesse, 1959, Bull. Soc. ent. Mulhouse 1959 (7/9): 44-48, figs.1-8. Holotype ♂: Turquie: Ağrı Prov., Doğubayazıt (MHNP). Range (in code): TR Cc IR Ak Ab Sil Arr 04 13 30 65 76 04D 04Db 13G 13Gv 30B 30Bc 30Bx 65B 65Bk 65Bx 65D 65Dp 65G 65Gd 65Ge 65F 65Fç 65Fz 65K 65Kg 76C
- 98) **Polyommatus (s.str. (Agrodiaetus (Phyllisia))) igitizilim Koçak & Kemal,2001** (Lycaenidae) Synonym(s): *igitizilim* Koçak & Kemal,2001 Original Reference: *Polyommatus* (s.str. (Agrodiaetus (Phyllisia))) *igitizilim* Koçak & Kemal,2001, Cent. ent. Stud., Misc. Pap. 78/79: 10. Holotype ♂: Türkiye: Van: Bahçesaray, Karabel geçidi, 2700m (coll. Cesa). Range (in code): TR 65 65A 65Ab 65D 65Dç 65Dc1 65Dp 65Fw 65Fz
- 99) **Polyommatus (s.str. (Agrodiaetus (Phyllisia))) iphigenia (Herrich-Schäffer,[1847])** (Lycaenidae) Synonym(s): *iphigenia* Herrich-Schäffer,[1847] Original Reference: *Lycaena iphigenia* Herrich-Schäffer,[1847], Syst. Bearb. Schmett. Eur. 1: pl.73, fig.354; [1851], ibid.6:24. Syntypes: Türkiye: [Bursa, Uludağ]. Range (in code): IR Ab Qo GR TR Arr AM Cc IR Ab 01 03 04 05 06 07 08 13 14 16 24 25 29 30 32 33 36 37 38 42 46 48 51 53 58 60 62 65 66 69 70 76 78 04D 04Db 05A 06G 06H 06Z 13G 13Gv 13Gw 14I 14Ib 24L 25F 25Fa 30B 30Bc 30Bc2 30Bx 30Bd 30Bh 30Bj 46F 62E 65B 65Bk 65Bx 65D 65Dç 65Dc1 65G 65Gd 65Ge 65F 65Fe 65Fg 65F1 65Fq 65Fr 65Fs 65Fz 66A 76C 78D 78Da



- 100) Polyommatus (s.str. (Agrodiaetus (Phyllisia))) vanensis (De Lesse,1957)**  
(Lycaenidae) Synonym(s): *vanensis* De Lesse,1957 Original Reference: *Agrodiaetus vanensis* De Lesse,1957, Lambillionea 1957 (9/10): 69-71. Holotype ♂: Turquie: Ağrı: Doğubayazıt, 2100m. (MHNP). Range (in code): TR IQ Er Ry Cc AM IR Ak Ab GG 04 08 13 24 25 30 36 38 46 62 65 69 76 04D 04Db 13G 13Gv 30B 30Bb 30Bk 38H 46F 62G 62Ga 62Gb 65B 65Bk 65Bx 65D 65Dc 65Dç 65Dç1 65Dp 65G 65Gd 65Ge 65F 65Fq 65Fj 65Fi 65Fp 65Fr 65Fü 65Fw 65Fz 65K 65Kc 65Kö 65Kr 65Kl 65Km 65Kg 76C
- 101) Polyommatus (s.str. (Agrodiaetus (Transcaspius))) altivagans (Forster,1956)**  
(Lycaenidae) Synonym(s): *altivagans* Forster,1956; *vaspurakani* Lukhtanov & Dantchenko,2003 Original Reference: *Agrodiaetus altivagans* Forster,1956, Z. Wien. ent. Ges. 41: 60, pl.8,9 figs. Holotype ♂: Armenien: Daralagez: Jarzud, supra pag. Martiros. Range (in code): IR Ab Nv Ak Mrd Tbz TR RU Da Cc AZ AM Alg Arr 04 08 24 29 36 65 76 29F 65B 65Bk 65Bx 65D 65G 65Gc 65Ge
- 102) Polyommatus (s.str. (Agrodiaetus (Transcaspius))) anticarmon (Koçak,1983)**  
(Lycaenidae) Synonym(s): *anticarmon* Koçak,1983; *charmieuxi* Pagés,1994 Original Reference: *Agrodiaetus anticarmon* Koçak,1983, Priamus 3 (1): 34-35. Holotype ♂: East Turkey: [Hakkari Prov., Şemdinli] (in coll.Cesa). Range (in code): TR 13 25 30 65 13G 13Gb 30B 30Bc 30Bx 30Bd 30Bh 30Bj 30C 30Cd 65D 65Dç 65Dç1 65F 65Fq 65Fç 65Fz
- 103) Polyommatus (s.str. (Agrodiaetus (Transcaspius))) huberti (Carbonell,1993)**  
(Lycaenidae) Synonym(s): *huberti* Carbonell,1993 Original Reference: *Agrodiaetus huberti* Carbonell,1993, Linneana belg. 14(2): 91, figs. Holotype ♂: Turquie: 15km N. Ağrı, 1700m (MNHN) Range (in code): TR Arr AM Cc IR Ab Sil 04 08 13 24 25 29 30 36 65 69 76 13G 13Gv 25F 25Fa 30B 30Bc 30Bx 30Bl 36F 36Fb 65B 65Bk 65Bx 65D 65G 65Gd 65Ge 65F 65Fq 65Fü 65K 65Kg 65Kl 76C 76D 76Da
- 104) Polyommatus (s.str. (Agrodiaetus (Transcaspius))) ninae (Forster,1956)**  
(Lycaenidae) Synonym(s): *ninae* Forster,1956 Original Reference: *Agrodiaetus transcaspica* ssp. *ninae* Forster,1956, Z. Wien. ent. Ges. 41: 70, pls.8,9 figs. 23,24. Holotype ♂: Armenia: Mts. Daralagez: Güartshin. Range (in code): Cc AM Alg TR IR Ak Ab Sil 04 08 13 24 25 29 30 36 65 69 76 13G 13Gv 13Gw 25F 25Fa 30B 30Bc 30Bx 30Bg 65B 65Bk 65Bx 65D 65G 65Gb 65Gd 65Ge 65F 65Fe 65Fj 65Fq 65Fs 65G 65Gb 65K 65Kg 65N 65Ne
- 105) Polyommatus (s.str. (Agrodiaetus (Transcaspius))) surakovi Dantchenko & Lukhtanov,1994** (Lycaenidae) Synonym(s): *surakovi* Dantchenko & Lukhtanov,1994; *sekeriogluhi* Dantchenko & Lukhtanov,2002 Original Reference: *Polyommatus (Agrodiaetus) carmon* ssp. *surakovi* Dantchenko & Lukhtanov,1994, Atalanta 25 (1/2): 209, figs. Holotype ♂: Azerbaidzhan: Nakhichevan, Buzgov, 1000m. (in coll. Dantchenko). Range (in code): AM Nv AZ Cc TR IR Ab 13 65 76 13G 13Gv 65D 65F 65Fq 65Fü 76C
- 106) Polyommatus (s.str. (Agrodiaetus (Transcaspius))) turcicola (Koçak,1977)**  
(Lycaenidae) Synonym(s): *turcicola* Koçak,1977; *#turcicolus* Nazari,2003 Original Reference: *Agrodiaetus (s.str.) transcaspica* ssp. *turcicola* Koçak,1977, Atalanta 8 (1): 55-56, figs.17-20. Holotype ♂: Turkey: Van Prov.: vicinity of Van, 1800m [Kurubaş] (in coll. Cesa). Range (in code): TR IR Ab Sro 65 65B 65Bk 65D 65Dç 65G 65F 65Fb 65Fc 65Fz 65K 65Ka 65Kd 65Kg 65N 65Np1 65Np5 65Nm
- 107) Polyommatus (s.str. (Agrodiaetus (Transcaspius))) turcicus (Koçak,1977)**  
(Lycaenidae) Synonym(s): *turcicus* Koçak,1977 Original Reference: *Agrodiaetus turcicus* Koçak,1977, Atalanta 8 (1): 54-55, figs. 13-16,23. Holotype ♂: Turkey: Kars Pr.: Kağızman-Cumaçay, 2500m (in coll. Cesa). Range (in code): TR Cc GG AM IR 04 08 13 24 25 29 30 36 62 65 69 76 04D 04Db 13G 13Gw 30B 30Bd 30Bc 30Bx 30Be 30Bh 30Bj 62E 65Bx 65D 65Dç 65G 65Gd 65Ge 65Fz 65K 65Kg 76C
- 108) Polyommatus (s.str. (Agrodiaetus (Transcaspius))) zapvadi (Carbonell,1993)**  
(Lycaenidae) Synonym(s): *zapvadi* Carbonell,1993 Original Reference: *Agrodiaetus elbursica* ssp. *zapvadi* Carbonell,1993, Linneana Belgica 14 (2): 94-103, fig.H, Taf.2 figs.1-3. Holotype ♂: Turquie: Van: Güzelsu 2100m (MHNP). Range (in code): TR IQ 13 30 65 13G 13Ga 13Gv 30B 30Be 30Bd 30Bh 30Bj 65Bx 65D 65G 65Gd 65Ge 65F 65Fg
- 109) Polyommatus (s.str. (Agrodiaetus (Xerxesia))) cyaneus (Staudinger,1899)**  
(Lycaenidae) Synonym(s): *cyaneus* Staudinger,1899; *pseudocyaneus* Forster,1956. Original Reference: *Lycaena damone* var. *cyanea* Staudinger,1899, Dt. ent. Z., Iris 12: 142. Lectotype ♂: Hankynda, designated by Forster,1956, Z. Wien. ent. Z. 41: 85 (MNHU). Range (in code): AM AZ Hkd GG Cc TR IR Ke Ab Ak Mrd Ha Km Krd 25 36 65 76 65B 65Bk 65Bx 65D 65G 65Gb 65Gd 65Ge 65K 65Ki 65Kj 65Kl 65Ky1 65Kg 76C
- 110) Polyommatus (s.str. (Cyaniris)) antiochenus (Lederer,1861)** (Lycaenidae) Synonym(s): *antiochena* Lederer,1861 Original Reference: *Lycaena antiochena* Lederer,1861, Wien.

ent. Monatschr. 5 (5): 148, Taf. 1 figs. 2,3. Syntypes: Antiochia. Range (in code): He IL Pa LB SY TR 01 13 21 27 31 33 46 49 56 65 73 80 01H 01L 01Lb 13F 13G 13Gt 21L 21Lf 21Ld 21N 21Nb 27C 31A 31Aa 31Cb 31F 31Fb 31L 31La 31M 33A 33K 46F 46Fc 46H 46Hc 49F 49Fb 49Ff 56D 56Db 56Dg 56F 65D 65Dn 65Do 65Dq 65Ds 65Dt 65Dv 73D 73Df 80C – Remark: This species flies in the openings of *Quercus* woodlands of southern Çatak, i.e., Dalbastı.

- 111) *Polyommatus* (s.str. (*Cyaniris*)) *bellis* (Freyer,[1842])** (Lycaenidae) Synonym(s): *bellis* Freyer,[1842] Original Reference: *Lycaena bellis* Freyer,[1842], Neuere Beitr. Schmett. 5: 26, Taf.398, figs.1,2. Type(s): Türkei. Lectotype ♂: Suburbs of Istanbul (designated by Balint,1999, Neue ent. Nachr. 46: 18-19) (BMNH). Range (in code): AM GG Cc IR Ab Ak Elb Th Gor Se TR SY LB IQ He IL Pa 01 03 04 05 06 07 08 10 12 13 14 16 17 18 19 23 24 25 27 28 29 30 32 33 34 36 37 38 39 42 44 46 49 50 51 52 53 56 58 59 60 61 62 65 66 69 70 71 74 75 76 80 01L 01Lb 04D 04Db 05A 06A 06B 06C 06D 06G 06K 06P 06R 06Rd 06V 13A 13Ab 13Ax 13D 13Da 13G 27C 30B 30Bb 30Bc2 30Bx 30Bk 44A 44Ab 46F 46Fc 49E 49Ea 56F 65B 65Bk 65Bx 65D 65Dc 65Dd 65Dda 65Dn 65Do 65Dq 65Dt 65Dv 65G 65Gd 65Ge 65Gv 65Gz 65F 65Fd 65Fe 65F3 65Fm 65Fw 65Fz 65K 65Kö 65Kg 65M 65Mc 66A 75F 76C - Remark: This species flies in the mountainous steppe of northern Çatak, i.e., Saklıvadi (**Fig. 21**)



**Fig. 21 - *Polyommatus bellis*, sipping mineral water from the earth. Turkey, Van, Çatak Saklıvadi 2000m 4 6 2015, M. Kemal (Cesa)**

- 112) *Polyommatus* (s.str. (*Lysandra*)) *bellargus* (Rottemburg,1775)** (Lycaenidae) Synonym(s): *bellargus* Rottemburg,1775; *thetis* Rottemburg,1775 nec Dru.,1773; *adonis* Denis & Schiffermüller,[1775]; *salacia* Bergsträßer,1779; *venilia* Bergsträßer,1779;; *hyacinthus* Lewin,1795; *urania* Gerhard,[1851]; *persemagna* Verity,1937; *arentissima* Verity,1937; *arens* Verity,1937; *arentior* Verity,1937; *antearentior* Verity,1937; *parabellargus* Verity,1939; *shakla* Higgins,1958 Original Reference: *Papilio bellargus* Rottemburg,1775, Naturforscher 6:25. Type(s): Deutschland. Range (in code): AL AM AT AZ Cc Arr BG B-H BL BY CH CZ DE EE ES Mu Mu18 FR GB GG GR HU HV IQ Hjo IR Ab LB IT LT LU LV MK PL PT RO RU Si SK Sm So Sr SS TR UA VI YU Cw Dv Smt H-W Sur Ssx Ken 01 02 03 04 05 06 07 08 11 12 13 14 15 16 18 19 20 21 23 24 25 26 27 28 29 30 32 33 34 36 37 38 39 41 42 43 44 46 49 50 51 52 53 55 56 58 60 61 62 65 66 68 69 70 71 72 73 74 75 76 78 80 04D 04Db 05A 06B 06G 06H 06K 06N 06P 06R 06Rd 06V 06Z 13C 13Cd 13D 13Da 13E 13Ea 14I 14Ib 21K 21N 21Nb 21O 25F 25Fa 25Fb 25Fc 30B 30Br 30D 33K 33O 36F 36Fb 38H 38Hc 44A 44Ab 44E 44O 44Oc 46F 46Fc 46Fd 49F 49Fb 49Fe 56F 65B 65Bk 65D 65Di 65Dh 65Dk 65Dr 65Drb 65Dq 65F 65Fe 65Fg 65Fh 65Fj 65Fi 65Fm 65Fp 65Fz 65Ft 65Fu 65Fx 65F3 65G 65Gd 65Ge 65H 65Ha 65K 65Ka 65Kl 65Kö 65N 65Np 65Nm 66A 73A 75F 75Fi 76A 76Ac 76C 76D 76Dd



- 113) Polyommatus (s.str. (Lysandra)) corydonius (Herrich-Schäffer,[1852])** (Lycaenidae) Synonym(s): *corydonius* Herrich-Schäffer,[1852] Original Reference: Lycaena corydonius Herrich-Schäffer,[1852], Syst. Bearb. Schmett. Eur. 6: 27, ibidem 1: pl.123 figs.595-596. Syntypes: Türkei; Südrussland. Neotype ♂: [Azerbaidjan]: Helenendorf, designated by Schurian (1988: 139) (NHMW). Range (in code): Cc AZ RU TR GG AM IR Ak Ab 04 08 12 13 23 24 25 29 36 49 58 62 65 69 73 75 76 04D 04Db 12A 12Ab 13G 13Gw 23I 23M 25F 25Fa 25Fb 25Fc 49F 49Fd 58F 62E 62G 65B 65Bk 65Bx 65D 65De 65G 65F 65Fc 65Fi 65Fr 65Fq 65Fz 65G 65Gd 65Gp 65Ge 65K 65Kb 65Kc 65Kl 65Km 65Kö 65Kg 65Kw 65N 65Nr4 65Nm 73A 73Ag 73C 73Cd 75D 75F 76C 76D 76Da
- 114) Polyommatus (s.str. (Meleageria)) daphnis ([Denis & Schiffermüller],1775)** (Lycaenidae) Synonym(s): *daphnis* [Denis & Schiffermüller],1775; *endymion* [Denis & Schiffermüller],1775 nec Fabricius,1775; *meleager* Esper,1778; *dalmatina* Wagner,1909. Original Reference: Papilio daphnis [Denis & Schiff.],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 182. Type(s): [Austria]: Vienna district. Range (in code): Aq Sms AL Cc AM AT AZ Ba BG B-H BY CH CZ DE ES FR GG GR HU HV Zad IQ IR Ab Ak Mrd Qba Sro Lo Ha Elb Th Gor IT KG LB MK PL RO RU Si SK Sm So Sr SS SY TR UA VI YU LAT Wn 01 03 04 05 06 07 08 10 11 12 13 14 15 16 17 18 20 21 23 24 25 26 29 30 31 32 33 34 35 36 38 39 40 42 43 44 46 48 49 50 51 53 56 58 60 62 65 66 68 69 70 71 73 74 75 76 78 04D 04Db 05A 06B 06C 06D 06E 06K 06N 06R 06Rd 06V 06Z 13A 13Ab 13Ax 13G 13Gv 13Gw 14I 14Ib 21K 24E 24Ea 30B 30Ba 30Bc 30Bx 30Bj 30Bd 30Bh 30Bf 30Br 30C 30D 30Da 30Db 30Dt 31M 34C 36F 36Fb 44F 44Fb 46F 46L 49E 49Ea 56F 58G 58Gj 58Gi 58Gk 58R 58Rb 65B 65Bk 65Bx 65D 65De 65Dc 65Dç 65Dç1 65Do 65Dp 65K 65Kb 65G 65Gd 65Ge 65Gm 65Gn 65Gs 65Go 65Gp 65F 65Fb 65Fc 65Fç 65Fg 65Fh 65Fe 65Fq 65Fj 65Fi 65Fp 65Ft 65Fü 65Fu 65Fr 65Fz 65K 65Kc 65Ké 65Kl 65Km 65Kö 65Kü 65Kz 65Kg 65Kw 65N 65Np 65Np5 65Nr2 65Nr4 65Nm 75F 76C 76D 76Da
- 115) Polyommatus (s.str. (Neolysandra)) alticola (Christoph,1893)** (Lycaenidae) Synonym(s): *alticola* Christoph,1893; *alexander* Higgins,1981 Original Reference: Lycaena coelestina var. alticola Christoph,1893, Dt. ent. Z., Iris 6: 86. Syntypes: Armeniae rossicae [Türkei]: Urmus, Kasikoparan. Lectotype ♂: Kasikoparan (designated by Nekrutenko in Hesselbarth,1995: 652); Balint's (1999: 11) designation is invalid. Range (in code): Cc AM TR IQ IR Ak Ab 04 08 13 23 24 25 29 30 36 44 49 62 65 69 73 76 13A 13Ab 13Af 13Ax 13G 13Gv 36F 36Fb 65D 65E 65Eb 65F 65Fm 65Fe 65G 65Gv 65Gz 65I 65Ib 65M 65Mc 65Md 76C
- 116) Polyommatus (s.str. (Neolysandra)) fatima Eckweiler & Schurian,1980** (Lycaenidae) Synonym(s): *fatima* Eckweiler & Schurian,1980 Original Reference: Neolysandra coelestina ssp. fatima Eckweiler & Schurian,1980, Atalanta 11 (1): 72, Abb.4,5. Holotype ♂: Türkei: Hakkari, Bercelem Yaylası 2500-2800m. [paratypes 129♂♂ 75♀♀] (in coll. Eckweiler). Range (in code): TR IR Ab Sil 30 65 30B 30Ba 30Bb 30Bc 30Bx 30Be 30Bk 30D 30Dt 65A 65Ab 65B 65Bk 65Bx 65D 65Do 65G 65Ge 65I 65Ib
- 117) Polyommatus (s.str. (Neolysandra)) ponticus (Courvoisier,1911)** (Lycaenidae) Synonym(s): *ponticus* Courvoisier,1911 Original Reference: Lycaena pontica Courvoisier,1911, Dt. ent. Z., Iris 25: 107, pl.2 f.12. Type ♂: [Turquie]: Amasia (in NHMB) Range (in code): TR 01 05 06 07 12 28 38 42 46 49 52 58 65 05A 06D 06E 06R 12A 12Ab 46F 46Fg 49E 49Ea 65D 65Dç 65Dz 65Dza 65Fz
- 118) Polyommatus (s.str. (Plebicula)) amandus (Schneider,1792)** (Lycaenidae) Synonym(s): *icarius* Esper,1789 nec Rottemburg,1775; *amandus* Schneider,1792 Original Reference: Papilio amandus Schneider,1792, Neuestes Mag. 4: 428. Type(s): Sweden. Range (in code): Lsb Bn At AL AM AT AZ Ba BG BY Cc CH CN CZ DE DK EE ES FI FR GG GR HU IQ IR Ak Ab Jal Elb Th IT KG KK LB LT LV NO PL RU SE Si SK Sm So Sr Tk TR T-S UA Ui Uk VI YU Aq Cb Bs Or Kg Pp Kw Ty Pw Om No Mn Sp Tk Aa Db Ax Kuz Sli Sau Tar DsA TrA TeA T-S 01 02 03 04 05 06 07 08 10 13 14 16 17 18 19 21 23 24 25 27 28 29 30 31 32 33 34 35 36 38 42 44 46 47 48 49 50 51 52 53 56 58 60 62 65 66 69 70 71 72 73 74 75 76 78 80 05A 06B 06G 06K 06R 06Rd 06V 06Z 13G 13Gç 13Gt 13Gv 14I 14Ib 24E 24Ea 27C 30A 30Aa 30B 30Ba 30Bc 30Bx 30Bd 30Bf 30Bk 30Bj 30C 30Cd 30D 30Da 30Dk 30Dt 31A 31Aa 31L 31La 33K 36F 36Fb 38H 38Hc 44A 44Aa 46F 46G 46Ge 49E 49Ea 56F 65B 65Bk 65Bx 65D 65De 65Dç 65Dda 65Df 65Dn 65Dt 65G 65Gd 65Ge 65Gv 65Gz 65F 65Fb 65Fç 65Fe 65Fn 65Fz 65G 65Ge 65K 65Kl 65N 65Np 65Nş 65Nm 66A 72E 72Ej 75F 76C 78D 78Da
- 119) Polyommatus (s.str. (Sublysandra)) aedon (Christoph,1877)** (Lycaenidae) Synonym(s): *aedon* Christoph,1877 Original Reference: Lycaena aedon Christoph,1877, Horae Soc. ent. ross. 12: 236-237, Taf.v fig.8. Syntypes: [Iran]: Schahkuh. Range (in code): IR Ab Khy Elb Th Ha TR Cc 04 08 13 24 25 29 31 36 49 53 62 65 69 76 04D 04Db 13A 13Ad 13Aç 13Af 13Ah 13Ax 13G 13Gç 13Gt 13Gv 13Gw 30B 30D 31A 36F 36Fb 49E 49Ea 65D 65Dd 65Dç 65F 65Fi 65Fe 65Fz 65H 65K 65Kü 65N 65Nr2 65Nr3 65Nr4 65Nm 65Nj
- 120) Polyommatus (s.str. (Thersitesia)) thersites (Canterer,[1835])** (Lycaenidae) Synonym(s): *thersites* Canterer,[1835]; *chapmani* Ball,1914; *meridiana* Verity,1919. Original Reference: Argus thersites Canterer,[1835], Hist. nat. Lép. Rhop. Pap. diurn. Dép...: 53, pl.11, figs.1,2. Syntypes: NW.France: Vosges,etc. Range (in code): Cc AZ Sms Kos AL AT Ba BE B-H BY CH CZ DE ES Mu FR GR HU HV IR Ak Ab Qba Elb Th IT KG KK LB MA MK MN PL PT Rd RO RU SK Sm So Sr SS

SY TM TR UA YU TrA TeA T-S DsA Tar Sau Sj GG Tbl MA Azr Ifr 01 02 03 06 07 08 09 10 11 13 14 15 16 17 18 19 20 21 22 23 24 25 26 29 30 31 32 33 34 35 36 38 39 40 42 43 44 46 48 49 50 51 52 54 58 59 60 62 64 65 66 68 69 70 71 74 75 76 78 81 06A 06B 06C 06D 06G 06H 06K 06N 06P 06R 06Rd 06S 06V 06Z 13A 13Ab 13Ae 13Ax 13B 13Bg 13G 13Gv 13Gw 30B 30Bk 30D 31A 31Aa 31L 31La 31B 31F 36F 36Fb 38H 38Hc 39C 44A 44Ab 44O 44Oi 46F 46G 46Gf 49E 49Ea 58G 58Gj 58Gk 58Gi 58R 58Rb 65B 65Bk 65Bx 65D 65Dc 65Dd 65Dda 65E 65Ea 65G 65Gd 65Ge 65Go 65Gp 65Gm 65Gq 65F 65Fc 65Fg 65Fh 65Fe 65Fi 65Fj 65Fx 65Fz 65G 65Ge 65K 65Kc 65Kg 65Kl 65N 65Np 65Np5 65Nr6 65Ns1 65Nm 66A 76B 76Bf 76Bh 76D 76Da 76Dg 76E 76Ea

- 121) Polyommatus (s.str.) buzulmavi Carbonell,1991** (Lycaenidae) Synonym(s): *buzulmavi Carbonell,1991* Original Reference: Polyommatus buzulmavi Carbonell, 1991, Linneana Belg. 13 (4): 223, pls.1,2,4. Holotype ♂: Turquie: Hakkari, Dez, 1400-2200m (MHNP). Range (in code): TR 30 65 30B 30Bc 30Bc2 30Bc4 30Bx 65B 65Bn 65Bn1 65D 65Dc 65Fz

- 122) Polyommatus (s.str.) icarus (Rottemburg,1775)** (Lycaenidae) Synonym(s): *argus Poda,1761 nec Linn.,1758; alexis Scopoli,1763 nec Pda,1761; thetis Esper,1777 nec Dru.,1773; icarus Rottemburg,1775; pampholyge Bergsträßer,1779; candybus Bergsträßer,1779; candiope Bergsträßer,1779; candaon Bergsträßer,1779; oceanus Bergsträßer,1779; fusciole Fourcroy,1785; icarinus Scriba,1795; pusillus Gerhard,1851; celina Austaut,1879; neglectus Stradomsky & Arzanov,1999* Original Reference: Papilio icarus Rottemburg,1775, Naturforscher 6: 21. Type(s): Saxonia. Range (in code): Ae AF AL Ao AT Ba BE BG B-H BY CH CN Co Cr CY CZ DE DK DZ EE ES FI FR GB GR HU HV IE Ii IL IQ IR IT JO KG KK Ku LB LT LU LV MA MK MN MT NL NO PK PL PT Rd RO RU Sa SE Si SK Sm So Sr SS SY TJ TM TN TR T-S Tv UA Ui Uk Us UZ VI YU Cw Dv Smt H-W Sur Ssx Ken Mu Mu18 Bn At Kts Sau Tar Buc Bkb Mrk Ssn Ktm Nym Sb DsA TrA KuA TeA Ax Ii Kuz Sli Bl Ci Nwf Kmt Sju Prj Pa Hf Cc Kc Pe Ir Irk Bc Arr Ab Sro Jal Shf Msw Swa Sgl Mdy Btma Nra Abe Sbd Lbs Ges MA Tgr Rbt Azr LY Cy Hr BLM Ng Kab Ca 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 75 76 78 80 81 01A 01C 01H 01G 01F 01K 04D 04Db 05A 06A 06B 06C 06D 06E 06G 06H 06K 06N 06P 06R 06V 06Z 12A 12Ai 13A 13Ab 13Ad 13Af 13Ax 13B 13Ba 13Bg 13D 13Da 13E 13G 13Ga 13Gc 13Gv 13Gü 13Gy 13Gw 14I 14Ib 18F 21L 21Le 21N 21Nb 21O 27C 27Cb 30B 30Bb 30Bk 30Br 31A 31Aa 31B 31E 31F 31L 31La 31K 31Ka 33A 33C 33K 33D 36F 36Fb 38H 38Hc 39C 44L 44Le 44O 44Oc 45L 45La 46G 46Gf 46E 46Eb 48A 48Aa 48Ad 48D 48F 48L 49E 49Ea 49Ed 49F 49Fb 49Ff 56F 56Fc 56Fi 58G 58Gj 58Gi 58Gk 58R 58Rb 63D 63E 65B 65Bk 65Bx 65D 65Dd 65Dda 65Dj 65Dk 65Dr 65Drb 65Dm 65Do 65Dn 65E 65Ea 65Eb 65F 65Fc 65Fg 65Fe 65Fh 65Fj 65Fi 65Fm 65Fq 65Fr 65Fü 65Fu 65Fx 65Fi 65Fw 65Fz 65G 65Ga 65Gb 65Ge 65Gd 65Gm 65Gn 65H 65Ha 65K 65Ka 65Kb 65Kc 65Kg 65Kl 65Ks 65Ks 65Kö 65Ku 65Ky 65Ky1 65M 65Mc 65Md 65N 65Ne 65Np 65Np2 65Np4 65Np7 65Nr3 65Nş 65Nm 66A 72E 72Eb 72F 73A 73Ad 73Ad2 73D 73Db 73Df 75F 75Fi 76A 76Ac 76Ae 76B 76Ba 76Bf 76Bh 76C 76D 76Da 76Dg 76E 76Ea 78D 78Da 80B 80Bd 80C 80E

- 123) Pseudophilotes vicrama (Moore,1865)** (Lycaenidae) Synonym(s): *vicrama Moore,1865* Original Reference: Polyommatus vicrama Moore,1865, Proc. zool. Soc. London 35: 505, pl.31, fig.6. Syntypes: Tibet: Shipkee; [India]: Middle Kunawur: Cheeni. Range (in code): AF Ng Kab Jla AL At Bn AT Ba BG BY CY Ch Ci CN Cr CZ DE EE FI GR HU Ii IN IR Ab Ak Shf Elb Fa Kp IL Pa JO IQ IT KG Ld LT LV PK PL RO RU SK Sm So Sr Ti TM TR Cc GG Smt Akh UA Ui VI YU Uk Kt Ka Sp Sau Tar DsA TrA Db Syr Tm Ku T-S 01 03 04 05 06 07 08 11 12 13 14 15 16 17 18 19 21 23 24 25 26 27 28 29 30 31 32 33 34 35 36 38 39 42 43 44 45 46 47 48 49 50 51 56 58 60 62 63 64 65 66 67 68 69 70 71 72 73 74 76 78 80 01K 05A 06B 06G 06K 06P 06R 06Rd 06S 06V 06Z 07A 07B 07Bc 13G 13Ga 13Gö 13Gg 13Gv 23I 23Ia 23Ib 23D 27C 30B 30D 30Dt 31A 31Aa 31L 31La 33A 33C 33O 35T 36F 36Fb 44L 44Lc 45L 45La 46F 46Fc 46G 46Gf 49F 49Fb 56F 58G 58Ga 58Gi 58R 58Rb 63D 63E 65B 65Bk 65Bx 65D 65Dc 65Dd 65Do 65F 65Fb 65Fd 65Ff 65Fg 65Fe 65Fh 65Fi 65Fm 65Fq 65Fz 65G 65Gb 65Ge 65K 65Kl 65Ky1 65Kz 65Kg 65N 65Np 65Np2 65Nm 66A 72E 72Ei 73A 73Ad 73Ad2 76B 76Bf 76Bh 76C 76D 76Da 76Dg 78D 78Da 80B 80Bc

- 124) Quercusia quercus (Linnaeus,1758)** (Lycaenidae) Synonym(s): *quercus Linnaeus,1758; longicauda Riley,1921* Original Reference: Papilio quercus Linnaeus,1758, Syst. Nat. (Edn.10) 1: 482. Type(s): [England (Verity,1943)]. Range (in code): AL AM Ao AT AZ Ba BE BG B-H BY CH Cr CY CZ DE DK DZ EE ES FI FR GB GG GR HU HV IE IQ IR Fa IT KG LB Le LT LU LV MA MK NL NO PL PT Rd RO RU Sa Sms SE Si SK Sm So Sr SS TR UA Uk VI YU Cw Dv Smt H-W Sur Ssx Ken SY Alv Atu Av Bad Bar Bgs C-M Cas Ccs Cor Dja Cue Ct Gna Gp Gu Hue Lda Leo Mdr Mu Nrr Ore Pv Lug Ple Rio San Seg Sma Sor Ter Tol Trg Val Vcl Zg Zm Akh Ab Rf 01 03 05 06 07 08 09 10 11 12 14 16 17 18 21 22 23 25 28 29 30 32 33 34 35 38 39 42 43 44 45 46 49 52 56 58 60 62 64 65 66 71 73 74 01K 05A 06B 06D 06R 06Rd 06V 12A 12Ab 12E 12Eb 21N 21Nb 23I 30B 30Bf 30D 30Db 38H 38Hc 49E 49Ea 56F 62E 62G 61K 65D 65Dl 65Dlc 66A 73A 73Ad 73Ad2 73D 73Dg 75F

- 125) Rubrapterus bavius (Eversmann,1832)** (Lycaenidae) Synonym(s): *bavius Eversmann,1832* Original Reference: Lycaena bavius Eversmann,1832, Nouv. Mém. Soc. imp. Nat. Moscou 2: 349-350. figs.3,4. Syntypes: [Russia]: Baschkiriae. Range (in code): Ba Ce Cm GR HU IL Pa Hf IR Ab Elb Mz KG LB MK RO RU Sm Sr SY TR Cc UA Uk VI 01 05 06 07 08 09 13 14 16 17 21 23 24 27 28 30 31 32 33 34 35 38 41 42 44 46 47 48 51 58 60 62 63 65 69 70 71 73 80 05A 06C 06G 06K 06N 06P 06R 06S 06V 13G 23M 30B 30Bc 30Bx 31M 33C 33O 38H 38Hc 44E 46G 46Gf 47B 58G 58Ga 58Gc



58Gi 62E 62Eb 62H 63N 63Na 65D 65Dç 65Dk 65Dm 65Dn 65F 65Fb 65Fc 65Fç 65Fz 65K 65Kb 65Kç 65Kd 65Kğ 65N 65Np4 65Nm 73D 73Dg (Fig. 22)



**Fig. 22** – *Rubrapterus bavius* ssp. *vanicola*. Turkey, Van, Çatak Saklıvadi 2000m, 8 6 2015, M. Kemal (Cesa)

- 126) Satyrium (Armenia) ledereri (Boisduval,1848)** (Lycaenidae) Synonym(s): *ledereri* Boisduval,1848 Original Reference: Lycaena ledereri Boisduval,1848, Annls Soc. ent. Fr. 1848: xxix. Type(s): [Russia]: Caucase. Range (in code): Cc AZ GG GR LB Sms TR Arr IR Ab 05 06 07 08 19 24 27 29 30 32 36 42 44 46 50 51 58 62 63 65 71 73 76 05A 06C 06Cb 06K 07A 30D 30Dt 36F 36Fb 44E 58G 58Ga 58Gi 62F 65D 65Dda 65Dn 65G 65Gb 65F 65Fp 65Fz 65K 65Kö 73C 73Cd 76D 76Da 76Dg
- 127) Satyrium (Nordmannia) abdominalis (Gerhard,[1850])** (Lycaenidae) Synonym(s): *abdominalis* Gerhard,[1850]; *gerhardi* Staudinger,[1895]; *alboabdominalis* Pfeiffer,1938; *persica* Riley,1939; *#gerhardti* Wiltshire,1943; *elta* Higgins,1964. Original Reference: Thecla abdominalis Gerhard,[1850], Versuch Monogr. eur. Schmett.: 4, Pl.4 figs.3a-c. Syntypes: [Aserbaidjan]: Elisabethpol [=Kirovabad]. Range (in code): He IL AM Cc AZ GG IQ IR Elb Ab Khy Ak Fa Ke LB TR 02 05 06 07 08 12 13 17 18 19 21 23 24 25 27 29 30 31 32 33 35 36 38 42 44 46 47 49 50 51 52 56 58 60 62 63 65 66 69 70 71 72 73 76 80 05A 06K 13C 13Cd 13G 13Ga 13Gd 13Gv 13Gw 21N 21Nb 21O 23D 24E 24Ea 27C 27Cb 30B 30Bc2 30Bx 30Bg 30Br 30D 30Db 31L 31La 36D 36F 36Fb 44L 44Lb 46F 46G 47D 56B 56F 58C 58G 58Ga 58Gi 62E 62G 63E 65D 65Dd 65Dda 65Dm 65Dp 65Dv 65Dt 65Dn 65Ds 65F 65Fb 65Fc 65Fd 65Fe 65Fj 65Fq 65Fp 65Fü 65Fw 65Fz 65G 65Gb 65K 65Kl 65Kö 65Kü 70C 70Cb 72E 72Eh 73D 73Df 76C 80B 80Bc
- 128) Satyrium (Nordmannia) armenum (Rebel,1901)** (Lycaenidae) Synonym(s): *armenum* Rebel,1901 Original Reference: Thecla myrtale var. armena Rebel,1901, Annln naturh. Mus. Wien 16: 165-166. Syntypes: [Türkei]: [İğdır Pr.]: "Kasikoparan". Range (in code): TR Cc 04 08 13 24 25 30 36 49 62 65 69 76 13G 13Ga 13Gc 13Gw 30D 30Dh 36D 36Dd 49E 49Ea 62G 65D 65Dx 65F 65Fc 65Fd 65Fj 65L 69B 69Ba 76C
- 129) Satyrium (Nordmannia) marcidum (Riley,1921)** (Lycaenidae) Synonym(s): *marcidum* Riley,1921 Original Reference: Strymon marcidus Riley,1921, Ann. Mag. nat. Hist. 8: 600. Type ♀: Iran: Kermanshah, Harir, Karind Gorge (in BMHN). Range (in code): IQ IR Ab Km Krd TR 30 47 56 65 72 73 30B 30Bc 30Bx 30Bh 30Bj 30D 30Dt 47D 56B 56F 65D 65Dw 65Dr 65F 65Fe 72E 72Ec 72Ed 73C 73Cd 73A
- 130) Satyrium (Nordmannia) zabni Oorschot & Brink,1991** (Lycaenidae) Synonym(s): *#zabni* Higgins,1964; *zabni* Oorschot & Brink,1991. Original Reference: Satyrium ilicis ssp. zabni



Oorschot & Brink, 1991, Ent. Ber., Amst. 51 (3): 38-43, 5 figs. Holotype ♂: Turkey: Hakkari prov., 35-40km. E. Uludere, 1200-1300m. (ITZA). Range (in code): IQ Er SIh IR Lo TR 02 12 13 21 23 25 27 30 31 44 46 47 49 56 62 65 72 73 13C 13D 13Da 13E 13Ga 13Gw 21N 21Nb 21O 31L 31La 47E 49E 49Ea 56B 56F 56Fa 62E 65D 65Dl 65Dlc 65Do 65Dn 65Du 65F 65Fb 65Fc 72E 72Em 73C 73Cd

- 131) Satyrium (Strymonidia) spini (Fabricius, 1787)** (Lycaenidae) Synonym(s): #spini [Denis & Schiffermüller, 1775; lynceus Esper, 1779] nec Drury, 1773; spini Fabricius, 1787; cerasi Herbst, 1804 nec Fabricius, 1787; #albosparsa Oberthür, 1910; anatolicus De Lattin, 1950. Original Reference: Papilio spini Fabricius, 1787, Mant. Ins. 2: 68. Syntypes: Germania. Range (in code): AF AL AM AT AZ Ba BE BG BY CH CZ DE ES FR GG GR HU IQ IR Ab Ak Elb IT KG Kp LB Le LT LU PL PT RO RU SK Sm So Sr TM TR UA Uk VI Act Alc Alv Alm Atu Av Bad Bar Bgs C-L C-M CRe Cas Ccs Cd Cor Cue Cz Ct Gna Gp Grn Gu Hue Hv Jae Lda Leo Mdr Mlg Mu Nrr Ore Pv Lug Ple Rio San Seg Sma Sor Svl Ter Tol Trg Val Vcl Zg Zm Arr Hr 01 03 04 05 06 07 08 13 15 16 17 18 19 21 24 25 26 27 29 30 31 32 33 34 36 38 41 42 43 44 46 48 49 50 51 56 58 60 62 63 65 66 68 69 70 71 73 74 75 76 78 80 01D 01H 01K 01G 03D 03E 04H 04I 05A 06B 06C 06K 06N 06R 06Rd 06V 07A 07B 07Bc 07G 13C 13Cf 21N 21Nb 24D 27E 29F 30D 30Du 31F 32A 32Ab 32I 32D 33E 33F 33G 33H 33K 33O 33P 36D 36Dd 36Df 36F 36H 38C 38Ca 42D 42Dc 42E 44E 44L 44Lc 46F 49F 49Fe 56B 58G 58G 58Ga 58Gi 58Gg 62E 62G 63E 65D 65Dw 65Dö 65E 65F 65Fc 65Fp 65Fz 65G 65Gb 65K 65Km 73C 73Cd 75F 75Fa 76B 76C 76D 76Dc 78D 78Da 80B 80Bc 80Bd 80G

- 132) Satyrium (Strymonidia) w-album (Knoch, 1782)** (Lycaenidae) Synonym(s): w-album Knoch, 1782; cerasi Fabricius, 1787; majuscula Jachontov, 1911. Original Reference: Papilio w-album Knoch, 1782, Beitr. Insecten-Geschichte 2: 85, Tab. 6 figs. 1, 2. Syntypes: [Germany]: Leipzig bei Schwickert. Range (in code): AL Cc AM AT AZ Ba BE BG B-H BY CH Cl Cm Ct CZ DE DK EE ES FI FR GB GG GR HU HV IT KG LT LU LV MK NL NO PL RO RU SE Si SK Sm So Sr SS TR IR Ab UA Uk Ur VI YU Smt H-W Sur Ssx Ken Aq 05 06 07 08 13 14 16 24 34 39 41 42 44 48 53 55 65 05A 06R 06Rb 07A 07Af 13G 13Gy 42V 44E 44Eb 61K 65D 65Dw 65F 65Fm

- 133) Tarucus (s.str.) balkanicus (Freyer, [1843])** (Lycaenidae) Synonym(s): balkanicus Freyer, [1843]; #balcanica Howarth & Povolny, 1976 Original Reference: Lycaena balkanica Freyer, [1843], Neuere Beitr. Schmett. 5(71): 63, Taf. 421 figs. 1, 2. Type(s): Türkei. Range (in code): AE AF Ng Jla AL Cc AM AZ BG BH Cr CY Dh DZ Gha Bsk EG EH GG GR Hd IL IN IQ Nsr Agh Bgd IR Ab JO KK KW LB LY MA MK MR NE Nf NG Nj OM PK QA SA SD SI SY TJ TM TN TR UG UZ YE Bl Bol Nwf Pes Elb Th Kp 01 02 03 05 06 07 08 10 12 13 16 17 20 21 23 25 27 30 33 35 36 39 44 46 48 56 59 60 62 65 67 70 71 72 73 78 80 01A 01K 02E 05A 06R 06Rd 13C 13Cf 13Cg 21L 21Le 21N 21Nb 21O 23C 23Cc 23D 23Dc 27C 27Cb 30B 30Bf 33A 33C 36F 36Fb 39C 44I 44L 44Lc 46G 46Gf 48D 48L 56F 63D 65D 65Dk 65Dv 72E 72Eb 72F 73C 80B 80Bc

- 134) Tomares callimachus (Eversmann, 1848)** (Lycaenidae) Synonym(s): callimachus Eversmann, 1848; epiphania Boisduval, 1848; #dentata Staudinger, [1892] Original Reference: Lycaena callimachus Eversmann, 1848, Bull. Soc. Nat. Moscou 21: 208. Syntypes: Russia: Wolga, Ural; [Azerbaijan]: "Helenendorf" [Kirovabad]. Range (in code): Cc AZ Kir TR IQ IR Ab Elb Fa Ao RU Sr Uk VI Cm Syr Tm Gj Ind KK KG TrA GG Tbl Smt Akh 13 21 23 30 36 44 46 47 56 63 65 73 76 13F 13F35 13G 13Gv 21N 21Nb 23I 30A 30Ae 44L 44Lc 47D 56D 56Dc 65D 65Dc 65Df 65Dh 65Dp 65Dq 65Dt 65Dn 65Dü 65Dy 65E 65Eb 65Ec 65F 65Fb 65Fd 65Fe 65Fg 65F3 65F1 65Fz 65G 65Gf 65Gi 65K 65Kd 65Kg 65Kk 65Kl 65Kz 65M 65Md 65N 65Nd 65Ne 65Nk 65Nn 65Np 65Np2 65Np4 65Nm 73D 73Da 76D 76Da 76B 76Bb 76D 76Dg

- 135) Tomares romanovi (Christoph, 1882)** (Lycaenidae) Synonym(s): romanovi Christoph, 1882 Original Reference: Thestor romanovi Christoph, 1882, Horae Soc. ent. ross. 17 (1/2): 106. Lectotype ♂: [Azerbaijan]: Nachitschewan: Ordubad (designated by Nekrutenko, 1995 [in] Hesselbarth et al., 1995: 506 (ZIMP). Range (in code): Cc AZ GG Tbl IR Ab Elb Fa Kp Nv Ord TM TR Arr 04 12 13 21 23 30 36 47 56 62 65 72 73 76 04E 04Ea 13A 13Aa 13B 13Ba 13G 13Ga 13Gb 13Gv 21N 21Nb 23I 30B 30Bk 30Bg 30D 30Da 36F 36Fb 47B 56D 56Db 62G 65D 65Dd 65Dda 65Df 65Dg 65De 65Dc 65Dn 65Dp 65Dn 65Dq 65Dü 65Dt 65Dl 65E 65Eb 65Ec 65Ed 65F 65Fc 65Fd 65Fh 65Fz 72E 72El 73C 73Cd

- 136) Turanana endymion (Freyer, [1850])** (Lycaenidae) Synonym(s): endymion Freyer, [1850]; #panagaea Herrich-Schäffer, [1851]; endymion Gerhard, [1851]; panagaea Herrich-Schäffer, [1852] Original Reference: Lycaena endymion Freyer, [1850], Neuere Beitr. 6: 145, Taf. 572 figs. 2, 3. Syntypes: Türkei: Amasia; Neotype ♂: Turkey: [Samsun Prov.: Ladik]: "Amasia, 10km SW Ladik (900m)" designated by Coutsis (2005, Nota lepid. 27: 251-272). Range (in code): Cc GG IL Pa He IR LB TR IQ Zj Ab Ak Elb Kp Se Ha TM Ke 01 02 03 04 05 06 07 08 13 14 15 21 23 24 25 26 29 30 31 32 33 35 36 38 42 44 46 47 50 51 52 55 56 58 60 62 65 66 69 70 71 72 73 76 80 04D 04Db 05A 06C 06K 06R 06V 06Z 07A 07Al 13C 13Cd 13E 13Ea 13G 13Gc 13Gv 13Gw 13Gz 30B 30Bc2 30Bx 30Br 31F 31Fb 32A 32Ab 32D 32I 35S 35Sb 36F 36Fb 38C 38Ca 42H 42V 44E 44L 44Lc 46F 46G 46Gi 46H 46Hc 55H 56F 58G 58Gi 65B 65Bk 65Bx 65D 65Dc 65Dd 65Dda 65Df 65Dm 65Do 65Dw 65G 65Ge 65Gd 65Gt 65F 65Fc 65Fe 65Fg 65F1 65Fj 65Fq 65Fw 65Fz 65K 65Kc 65Kz 65Kg 65N 65Nr4 65Nm 66A 66P 66Pa 72E 72Ec 72Ej 72Ek 73C 73Cd 80B 80Bc (Fig. 23)



**Fig. 23** - *Turanana endymion*. Turkey, Van, Çatak Saklıvadi 2000m (65Df), 8 6 2015, M. Kemal (Cesa)

**137) Archon apollinaris (Staudinger,[1892])** (Papilionidae) Synonym(s): *apollinaris* Staudinger,[1892]; *pallidior* Spuler,1892; *#mardina* Stichel,1907 Original Reference: *Doritis apollinus* var. *apollinaris* Staudinger,[1892], Dt. ent. Z., Iris 4: 225. Syntypes: [Türkei: Erzincan Prov.]: nordöstlichen Kleinasien: Goman Otti, 1500m., lectotype designated by Wagener (1995). Range (in code): **Dk IQ Mos IR Lo Km TR 13 21 23 24 30 47 49 56 62 65 73 13F 13F33 13F35 21L 21Le 21K 21N 21Nb 23E 30A 30Aa 47C 49E 49Ea 49Ec 49Ef 49F 49Fd 56F 56Fa 56Fb 56Fg 56G 62G 65D 65Dh 65Dk 65Dl 65Dn 65Dp 65Dr 65Drb 65F 65F1 65F1 65Ff 65Fg 65Fy 65Fz 65K 65Ka 65Kb 65Kd 65Kg 65Nc 65Nç 65Kl 65N 65Nb 65Nk 65No 65Np 65Nm 73A 73Ae 73Af 73Ak 73D 73Da 73Db 73F** (Fig. 24)



**Fig. 24** – *Archon apollinaris*, a male feeding on the flowers of wild *Rosaceae*. Turkey, Van Prov., Narlı bridge 1500m, 29 4 2012, M Kemal & A. Koçak (Cesa)



- 138) Iphiclides podalirius (Linnaeus,1758)** (Papilionidae) Synonym(s): *podalirius* Linnaeus,1758; *sinon* Poda,1761; *flammeus* Fourcroy,1785; *brassicae* Fabricius,1807; *inalpinus* Verity,1911; *valesiaca* Verity,1911; *zancleides* Verity,1911; *pseudopersica* Rocci,1926. Original Reference: *Papilio podalirius* Linnaeus,1758, Syst. Nat. (Ed.10) 1: 463, nota. Syntypes: Europae austr. & Africae. Lectotype: Italy, Toscana (ICZN,Op.263). Range (in code): AL Ao At AT Ba BE BG B-H BY CH CN Co Cr CZ DE Dj DK DsA EE ES Mu FI FR GR HU HV Ii IR IT Kb Ket KG Kp Kr Kt Ku Kun LT LU LV MK Mrk NL PL PT Pw Rd RO RU Sa Sau Sem Si SK Sm So Sp Sr Srm SS SW Tar Teb Ti Tk Tlk TM TR TrA T-S UA Ui Uk Vt YU Rtc Vrn Sjn Trb IL AM AZ GG LB Beq Bei SY He Mst Sof Rg Skp Bgz Slv Ppp Mt Ko Act Alc Alv Alm Atu Av Bad Bar Bgs C-L C-M CRe Cas Ccs Cd Cor Cue Cz Ct Gna Gp Grn Gu Hue Hv Jae Lda Leo Mdr Mlg Mu Mu18 Nrr Ore Pv Ple Lug Rio Seg Sma Sor Svl San Ter Tol Trg Val Vcl Zg Zm Agi Abe Lbs Saia Blid Btina Ktr Cst Phv Sbd Orn Dzc Ahr Hmk Hrh Dzc Dja Clo 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 48 49 50 51 52 54 56 58 59 60 62 64 65 66 67 68 69 70 71 73 75 76 77 78 81 04D 04Db 05A 06A 06B 06F 06G 06K 06N 06P 06R 06Rd 06V 06Z 07A 07Ac 09K 09Ka 13C 13Cd 13F 13F35 13G 13Gü 13Gy 13Gw 14I 14Ia 21N 23D 23Da 23I 23Ib 23M 24E 24Ea 25F 25Fa 27C 30A 30B 30Bc2 30Bx 30Bo 30Br 30D 30Df 30Dt 31A 31Aa 31M 31F 31Fb 31L 31La 36F 36Fb 39C 40D 43G 44E 44F 44Fb 44L 44O 45L 45La 48A 48Aa 48D 48F 49E 49Ea 49F 49Fe 56F 56Fb 56Fe 56Fh 56Fj 56Fy 58G 58Gi 65D 65De 65Dç 65Dd 65Dda 65Dj 65Di 65Dl 65Dk 65Do 65Dr 65Drb 65Drc 65Dv 65F 65Fd 65Fq 65F3 65Fz 65K 65Kg 66A 73A 73Ad2 73Ak 75F 76B 76Bb 78D 78Da
- 139) Papilio (s.str. (Alexanoria)) alexanor Esper,[1800]** (Papilionidae) Synonym(s): *polidamas* De Prunner,1787 nec Linn.,1758; *alexanor* Esper,[1800]; *polychaon* Loche,1801; *destelensis* Nel & Chauliac,1983. Original Reference: *Papilio alexanor* Esper,[1800], Die Schmett., Suppl. I,1: 89, Taf.110 fig.1 (nom. nov. pro *Papilio polydamas* De Prunner,1798) Type(s): "Nice en Provence" (ex De Prunner,1798: 69). Range (in code): AF Kbb Ng AL B-H FR GR HV IL IQ AZ Nv Ord Cc Arr IR Ab Ak Zj Fa Elb Th IT JO KG KK LB Ftr Aiz MK Si TJ TM TR UZ SS B-H HV Syr Tm PK Bl T-S 01 02 03 04 05 06 07 08 10 16 17 25 30 31 32 33 35 36 42 43 44 45 46 47 48 52 58 60 62 65 69 70 71 73 74 76 04B 04C 04Ca 05A 06K 06R 07A 07Ab 31B 31F 31Fb 31M 45L 45La 58G 58Gi 65D 65Dl 65F 65Fd 65K 65N 65Nr4 65Nm 70C 70Ca 76B
- 140) Papilio (s.str.) machaon Linnaeus,1758** (Papilionidae) Synonym(s): *machaon* Linnaeus,1758; *reginae* Retzius,1783; *umbellatarum* Fabricius,1807; *aurantiaca* Speyer,1858. Original Reference: *Papilio machaon* Linnaeus,1758, Syst. Nat. (Ed 10)1: 462. Type(s): Europe. Range (in code): AF AL AM Ao At AT BE BH B-H BY Ch CH CN Co Cr CY CZ DE DK DZ EE ES Mu FI FR GB GG GR HV Ii IN IQ IR Ir IT KG Kmt Kp Kr Krl Ku KW LB LT LU LV MA MD MK MN MT NL NO OM PK PL PT QA Rd RU Sa SA SE Sh Si SK Sm So Sr SS SY TM TN TR UA Ui Uk US UZ VI Ya Ass BG BT Chb Hkk JP Kis Kr Mc MM NP Pja Shn Si Teb Ti Vv Yu Sjn Trb Mst Slv Rg Rtc Mt Ko JO Kts Tm KK Kp KR Um Bn Cho Ax Dj DsA Ii Ket KuA Sau Sem Tar TeA Tk TrA T-S Ab Ak Elb Th Ss Ke Fa Ba Act Alc Alv Alm Atu Av Bad Bar Bgs C-L C-M CRe Cas Ccs CA Cd Agi Ng Cor Cue Cz Ct Gna Gp Grn Gu Hue Hv Jae Lda Leo Lug Mdr Mlg Mu18 Nrr Ore Pv Ple Rio Seg Sma Sor Svl Ter Tol Trg Val Vcl Zg Zm Bei Bmm YU RO HU AZ TJ Zj Als Yuk BCo Abt Ssk Mnt On Qb Qg US MX Arz Cf Col Id Kan Mch Mon NDk NMx Ne Neb Org SDk Ut Ws Wy TW Hr Gn IL Pa Hf Shn Yu VN Ton Ass Cc Cp Haz Mre Ci Bt Skd Kh Khh Saia Ges Gf Abe Hrh Sfr Hmk Blm 01 02 03 05 06 07 08 09 10 11 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 29 30 31 32 33 34 35 36 37 38 39 40 42 43 44 45 46 47 48 50 51 56 58 59 60 62 63 65 66 68 69 70 71 73 74 75 76 77 78 80 05A 06B 06C 06K 06N 06R 06Rd 06S 06V 06Z 07B 07Bb 13A 13Aa 13Ab 13Ax 13B 13Bb 13G 13Gk 13Go 13Gç 13Gv 13Gw 18F 23I 23Ia 24E 24Ea 27C 30B 30Bb 30Bc2 30Bx 30Bk 30Br 30D 30Df 30Du 30Dt 31A 31Aa 31F 31K 31Ka 31M 33A 33K 39C 43G 44L 44Lc 46F 46Fc 48A 48Aa 48Ak 48D 48F 48L 56F 56Fg 56Fs 63D 63E 65B 65Bk 65Bx 65D 65De 65Dç 65Dè 65Dk 65Do 65Drd 65Dw 65G 65Ge 65Gm 65Gs 65F 65Fç 65Fe 65Fs 65Fp 65Fü 65Fw 65Fz 65K 65Kg 65Kr 65Ks 65N 65Nç 65Np 65Nm 66A 73A 73Ab 73C 73Cd 75F 75Fc 76B 76Bb 76D 76Da 76Dd 76Dg 78D 78Da 80B 80Bc 80E 80Ea
- 141) Parnassius (Driopa) mnemosyne (Linnaeus,1758)** (Papilionidae) Synonym(s): *mnemosyne* Linnaeus,1758 Original Reference: *Papilio mnemosyne* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 465. Type(s): Finlandia. Range (in code): AF AL Cc AM AT Ba BG B-H BY CH CZ DE DK EE ES FI FR GG GR HU HV IR IQ IL IT KG KK Kr LB LT LV MK NO PL RO RU SE Si SK Sm So Sr SS TJ TM TR UA UG UZ VI YU Mt Ko Mkl Trb Dur Sof Rg Rtc Slv Zag Skp Beo SY Aa Ax Dj DsA Ik Ike Ket T-S KuA Sem T-A Tk Tu TrA Tl CN Ui Brk Fa Ab Ak Gh Gor Ara Lo Elb Mz Eri Alg AZ Nv Dz Teb Kc Ist Kh 01 03 05 06 07 08 12 13 14 16 18 24 25 26 27 29 30 31 32 33 35 36 37 39 42 46 48 49 51 52 53 58 60 61 62 65 66 67 69 73 74 76 78 80 01K 05A 06R 07A 07Ac 07D 07Db 12A 12Ab 13E 13Ea 13F 13G 13Ga 13Gö 13Gg 13Gv 13Gü 13Gw 14I 14Ib 25F 25Fc 30B 30Bb 30Bc3 30Bx 30Bj 30Bk 30Bl 30Bp 30D 30Da 30Df 30Dh 30Dt 31F 31Fb 31M 33K 46F 46Fc 46Fg 49E 49Ea 49F 49Fb 56D 56Dg 56F 56Fc 56F1 62G 65B 65Bk 65D 65Dç 65Dè 65Dl 65Dlc 65Dk 65Dn 65Dm 65Dq 65Dü 65Dn 65Dt 65F 65Fb 65Fç 65Fp 65Fe 65Fm 65Fw 65Fz 65G 65Ge 65K 65Kb 65Kl 65Kö 66A 73A 73Ac 73Aç 73Ag 80B 80Bc
- 142) Zerynthia (Allancastris) deyrollei (Oberthür,1869)** (Papilionidae) Synonym(s): *deyrollei* Oberthür,1869; *eisneri* Bernardi,1970; *lycaoniae* Eisner & Wagener,1974; *#flavomaculata* Verity,1905; *#ochracea* Verity,1905; *#obscurior* Verity,1905; *#subflava* Schultz,1908; *#deflexa* Schultz,1908; *#charis* Schultz,1908; *#separata* Sheljuzhko,1927. Original Reference: *Thais deyrollei* Oberthür,1869, Pet. Nouv. Ent. (2):7. Syntypes: [Turquie]: Alpes-Pontiques [Gümüşhane]. Range (in code): He IL Js



Pa IQ Mos Bgd Slh Tkr IR Ab Oru Jal Kd Km JO LB Bsa Baa Aiz Zah Bmd SY Dms TR 01 02 03 05 06 07 12 13 14 15 18 19 21 23 24 25 26 27 28 29 30 31 32 33 37 38 42 43 44 46 47 49 50 51 56 58 60 62 63 64 65 66 68 70 71 73 80 01H 01K 03A 03D 03N 05A 06A 06B 06D 06G 06H 06K 06P 06R 06Rd 06S 06V 06Z 07A 07Ad 07Ak 13B 13Ba 13F 13F35 13G 13Ga 19C 19D 21L 21Le 21Lf 21Ld 21N 21Nb 23I 23Ib 23E 23M 25F 25Fa 27B 27C 27Cb 29A 29F 30D 30Dh 30Dt 30Dx 31A 31Aa 31B 31K 31Ka 31L 31La 32A 32C 32D 32E 32I 33E 37Y 38B 38C 38Cb 38L 42B 42D 42D 42Db 42Dc 42E 42I 42R 42X 42Xa 43K 44A 44Aa 44E 44Ej 44L 44Lb 44Lc 46F 46Fc 46K 47D 47E 47F 47H 49E 49Ea 49Ec 49Ef 49F 49Fd 49Fe 50G 50Ga 51D 51Da 51Dc 56F 56Fa 56F1 56Fg 56Fh 56Fy 58C 58E 58G 58Ga 58Gi 60H 60Hb 62E 62F 62H 63D 63N 63Na 64F 65D 65Dk 65Dl 65Dm 65Dn 65Dr 65Drb 65Dp 65F 65Fe 65Fb 65Fd 65Ff 65Fg 65Fh 65Fi 65Fk 65Fl 65Fq 65Fm 65K 65Ka 65Kd 65Kl 65Kö 65N 65Nc 65Np 65Np2 65Nm 66A 66P 68B 70C 70Cd 73A 73Ab 73Ae 73Ak 73C 73Cd 73D 73Da 73Db 79B 79Ba 80A 80B 80Bc 80C

- 143) Anthocharis cardamines (Linnaeus,1758)** (Pieridae) Synonym(s): *cardamines* Linnaeus,1758; *hesperides* Newman,1894; *britannica* Verity,1908; *meridionalis* Verity,1908 *nec* Lederer,1852; *montivaga* Turati & Verity,1911 Original Reference: *Papilio cardamines* Linnaeus,1758, Syst. Nat. (Edn.10): 1: 468. Type(s): [Europe]. Range (in code): Aa AL AM At AT Ba BE BG B-H Bs BY CH CN Co CY CZ DE Dj DK EE ES FI FR GB GR HU HV IE IL IQ IR IT Kb KG KK Kr Ku LB Le LT LU LV MK Mn NL NO Or PL PT Pw RO RU Sa SE Sem Si Sj SK Sm Sms So Sp Sr SS SY Teb Tk TM To TR TrA T-S Tt Ty UA Ui Uk Vl Yu Cw Dv Smt Mu Sr Vl H-W Sur Ssx Ken Mt Ko Sof Ril Rg Rtc Mkl Trb Ti Kts Bn Ax DsA His Al Gh Pa Hf Gh Kas Shq Rwz Cc CY Ab 01 03 04 05 06 07 08 09 10 13 14 15 16 17 18 20 21 23 24 25 27 28 29 30 31 32 33 34 35 36 37 39 41 42 43 44 45 46 47 48 51 52 53 55 56 58 60 61 62 65 66 70 71 73 74 75 76 78 05A 06A 06B 06C 06G 06K 06N 06P 06R 06Rd 06S 06V 06Z 13G 21N 21Nb 23I 23Ib 23E 27C 27Cb 30D 30Df 31A 31Aa 31K 31Ka 31L 31La 33A 33K 33O 36F 36Fb 36D 36Db 36Dc 36F 36Fa 36Fb 36Fc 36Fç 36Fe 36Fg 36F1 36F3 36G 65Bx 65D 65Dk 65Dl 65Dn 65Dm 65Dr 65Drb 65Dw 65F 65F1 65Fe 65Fd 65Fz 65G 65Ge 65K 65Kl 66A 73A 73Ae 73Ak 73Al 73D 73Db 75F 75Fe 76C

- 144) Anthocharis damone Boisduval,1836** (Pieridae) Synonym(s): *damone* Boisduval,1836 Original Reference: *Anthocharis damone* Boisduval,1836, Hist. nat. Ins. Sp. Gén. Lép. 1: 564. Type(s): [Italia]: Sicile. Range (in code): AL GR IT MK Si He GR IQ Ama Cc AM IR Ab Elb Th Es MK TR LB SY IL Pa Hf 01 04 05 07 08 10 13 21 23 24 25 27 29 30 31 32 33 34 35 36 42 43 44 46 48 49 51 56 65 69 70 73 76 01H 01K 04D 04Da 05A 07A 07Ad 07B 07Bc 13B 13Ba 13F 13F35 13G 13Gö 13Gg 13Gw 13Gs 13Gü 21N 21Nb 23M 25C 25F 25N 25R 27B 27C 27Cb 30B 30Be 30Bg 30Bk 30Bm 30D 30Dt 31A 33K 36D 36Db 36F 36Fb 43G 49F 49Fe 51D 51Da 56D 56Dc 56F 56Fc 56Fg 65D 65Da 65Dc 65Dç 65Dg 65Dh 65Dk 65Dm 65Dr 65Drb 65F 65Fç 65Fe 65Fd 65Fz 65K 65Kg 65Kl 65Ks 65M 65Md 69B 70C 70Ca 70Cb 73A 73Ab 73Ae 73C 73Cd 76C

- 145) Anthocharis grueneri Herrich-Schäffer,[1851]** (Pieridae) Synonym(s): *grueneri* Herrich-Schäffer,[1851]; *#diluta* Röber,1907; *eros* Röber,1907 Original Reference: *Anthocharis grüneri* Herrich-Schäffer,[1851], Syst. Bearb. Schmett. Eur.6: 20; *ibid.* 1: pl.115, figs. 551-554 [uninominal]. Syntypes: ? Creta [Kleinasien]. Range (in code): AM BG GR IL Js Pa IQ IR Ak Msw By Elb Th Lo LB MK SY TR Cc GG Bjo AZ Nv Ord 01 02 03 04 05 06 07 12 13 21 24 25 27 29 30 31 32 33 35 36 38 42 43 44 45 46 47 50 51 56 58 60 62 65 66 70 71 73 76 01H 01K 05A 06B 06G 06K 06R 06Rd 06V 13F 13F35 13G 13Gö 13Gg 13Gw 13Gk 21N 21Nb 27B 27C 27Cb 30B 30Bk 30Bb 30D 30Dt 31A 31L 31La 31M 36F 36Fb 44A 44Aa 44E 44L 44Lb 44Lc 56D 56Db 56F 56Fb 56Fg 56Fh 56G 58G 58Gi 65B 65Bk 65Bx 65D 65Dc 65Df 65Dk 65Dm 65Dr 65Drb 65F 65Fb 65Fp 65Fd 65Fe 65Fg 65Fh 65Fq 65Fz 65G 65Ge 65K 65Kb 65Kl 65Ks 66A 73C 73Cd 76C

- 146) Aporia (s.str.) crataegi (Linnaeus,1758)** (Pieridae) Synonym(s): *crataegi* Linnaeus,1758; *nigronevrosus* Retzius,1783; *minor* Verity,1907; *basanius* Fruhstorfer,1910; *crataegiaugusta* Verity,1937. Original Reference: *Papilio crataegi* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 467. Type(s): [Europe]. Range (in code): Ae AF AL AM Ao At AT AZ Ba BE BG B-H Bs BY Cb CH CN CY CZ DE DK DZ EE ES FI FR GG Gn GR HU HV IL IQ IR IT JP Kg KG KK KP Kr Krl LB LT LU LV MA MK MN NL No NO Om Or PL Pm PT Rd RO RU Sb SE Si Sj SK Sm So Sr SS SY Sz Ti TJ TM To TR Ts Tt UA Ui Uk Vl Tm T-S Aq Ax Bog Dg DsA DsA Ka Kt Ktm KuA Kw Mn Pp Pw Rk Sp Syr Tar TeA Tk TrA Ze Mt Ko Sjn Sof Ril Slv Rtc Rg Vrn Beo JO Ktn Bn Kp Kh Ab Ak Kz Fa Ke Lo Act Alc Alv Alm Atu Av Bad Bar Bgs C-L C-M CRe Cas Ccs Cd Cor Cue Cz Ct Gna Gp Grn Gu Hue Hv Jae Lda Leo Cc Mdr Mlg Mu Nrr Ore Pv Lug Ple Rio Seg San Sma Sor Svl Tera Tol Trg Val Vel Zg Zm Yz TN Kml Bc Mz Kh Blid Btina Tni Tis Sbd Orn Azr Hr Blm 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 46 47 48 49 50 51 53 54 55 56 58 60 61 62 63 65 66 69 70 71 72 73 74 75 76 78 80 81 04D 04Db 05A 06A 06B 06C 06G 06K 06P 06R 06Rd 06V 07A 07Ac 12A 12Ab 13A 13Ae 13Af 13Ax 13C 13Cd 13E 13Ea 13F 13G 13Ga 13Gb 13Gç 13Gv 13Gü 13Gy 13Gw 21N 21Nb 21O 23E 23I 23Ia 23Ib 25F 25Fa 25Fb 25Fc 27C 27Cb 29A 29Ae 30B 30Bc 30Bx 30Bk 30Bo 30C 30Cd 30D 30Dt 31A 31E 31F 31Fb 31L 33A 36D 36Db 38H 38Hc 44A 44Aa 44E 44L 44Lc 47F 49E 49Ea 49F 49Fb 49Fg 49Fh 56F 56Fb 56Ff 65D 65Dç 65Dd 65Dda 65Do 65Dn 65Dt 65Dn 65Dl 65Dlc 65Dq 65F 65Fb 65Fd 65Fh 65F2 65Fz 65K 65Kl 66A 72E 72Eb 72Eh 72Ei 73A 73Aç 73Aç1 75F 75Fe 76C 78D 78Da

- 147) Colias (Eriocolias) crocea (Fourcroy,1785)** (Pieridae) Synonym(s): *crocea* Fourcroy,1785; *pyrenaica* Groum-Grshimailo,1893. Original Reference: *Papilio croceus* Fourcroy,1785, Entomologia Parisiensis: 250. Type(s): [France]: Paris. Range (in code): AL AM Ao AT AZ Az Ba BE BG B-H BY CH Co Cr CY CZ DE DK DZ EG ES FI FR GG GR HG HV IQ IR IT Kb Kr LB LT LU LY LV MA MK MT NL NO PL PT Rd RO RU Sa SE Si SK Sm So Sr SS SY Teb TR TN UA VI YU KG Aq Or Uk VI

Bs Ch Kt Rk Cw Dv Smt H-W Sur Ssx Ken Mt Sof Ril Syr Cy Rg Rtc Bgz Vrn Slv Sjn Trb Mkl Mst Ko JO  
He IL Ab Ak Fa Act Alc Alv Alm Atu Av Bad Bar Bgs C-L C-M CRe Cas Ccs Cd Cor Cue Cz Ct Gna Gp Grn  
Gu Hue Hv Jae Lda Leo Mdr Mlg Mu Mu18 Nrr Ore Pv Lug Ple Rio San Seg Sma Sor Svl Ter Tol Trg Val  
Vcl Zg Zm Pa Hf SA TD SD Agh Cc Arr Ab Khy Oru Jal Ak Shf Msw Qba Sro Mz Dju Tth Ess Tlm Saia  
Orn Agi Blid Ges Dje BSa Ogl Omy Tou Bsk Ktr Khh Bttna Tun DhM Tgr Phv Ceg Cn Azr 01 02 03 04 05  
06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40  
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 65 66 68 69 70 71 72 73 74 75 76 77  
78 79 80 81 04D 04Db 05A 06B 06C 06D 06G 06H 06K 06N 06P 06R 06Rb 06Rd 06V 06Z 12A 12Ab  
12E 12Eb 13A 13Ab 13Ac 13Ae 13Af 13Ag 13Ah 13Ax 13B 13Ba 13Bg 13C 13Cd 13D 13Da 13E 13Ea 13G  
13Ga 13Gö 13Gg 13Gk 13Gs 13Gü 13Gv 13Gy 13Gw 13Gz 21L 21Le 21Ld 21La 21N 21Nb 21Nh 21O 23I  
23Ib 23E 23M 25F 25Fa 25Fb 25Fc 27C 27Cb 30B 30Bb 30Bk 30Br 30D 30Df 31A 31Aa 31F 31Fb 31K  
31Ka 31L 31La 33A 33C 33K 33O 35T 35Tc 36D 36Db 36F 36Fb 38H 38Hc 39C 44A 44Aa 44Ab 44F  
44Fb 44L 44Lc 45L 45La 46F 46Fc 46Fe 47E 47F 48A 48Aa 48Ak 48F 49E 49Ea 49F 49Fb 49Fe 49Ff  
56D 56Dc 56Dh 56Dg 56F 58G 58Ga 58Gd 58Gi 58Gk 58R 58Rb 63D 63E 65C 65B 65Bc 65Bi 65Bk  
65Bn 65Bn1 65Bo 65Bx 65D 65Da 65Dc 65Dd 65Df 65Dd 65Dda 65Df 65Dk 65Dl 65Dlc 65Dn 65Do  
65Dr 65Drb 65Dt 65Dv 65E 65Eb 65Ec 65Ec 65F 65Fb 65Fc 65Fc 65Fd 65Fe 65Fg 65Fh 65Fi 65Fj 65Fm  
65Ft 65Fx 65Fy 65Fw 65Fz 65G 65Ga 65Gf 65Gg 65Gi 65Gl 65Gn 65Go 65Gs 65I 65K 65Kl 65Ka 65Ka  
65Ks 65Ku 65Kz 65Kg 65Kw 65Ky 65Ky1 65M 65Mb 65Mc 65Md 65N 65Nb 65Nc 65Nc 65Nk 65Np  
65Np1 65Np5 65Np7 65Nr6 65Nr7 65Ns 65Ns1 65Nj 65Nm 70C 70Cb 72E 72Eb 72Eg 72Ei 73A 73Ad  
73Ad2 73D 73Da 73Db 73Df 75F 75Fi 76A 76Ab 76Ac 76B 76Ba 76E 76Ea 80E 80Ea

- 148) Colias (Eriocolias) thisoa Ménéttriés,1832** (Pieridae) Synonym(s): *thisoa Ménéttriés,1832*; *helenia Herrich-Schäffer,[1844]*; *eos Herrich-Schäffer,[1848]*; *#ludmilla Schulte,1989*. Original Reference: Colias thisoa Ménéttriés,1832, Cat. Raison. Zool. Cauc.: 244. Type(s): [Russia]: Kaukasus Dagestan: Schach Dag. Range (in code): Cc Arr AM At AZ CN Da GG IR Mz Elb Ab Ak Shh Kb KG KK Kl Kzb Pm RU Sda Shh Teb TJ Tk TR T-S Ui Um Kml Al T-A Irt KuA TeA TrA DsA Tar Sau Ktm Klb 04 08 25 30 36 53 65 69 73 75 76 30B 30Bb 30Bk 36D 36F 65A 65Ab 65B 65Bk 65Bx 65D 65G 65Gd 65Ge 65F 65Fw 65Fz 75F 75Fg 76C
- 149) Colias (Neocolias) aurorina Herrich-Schäffer,[1850]** (Pieridae) Synonym(s): *aurorina Herrich-Schäffer,[1850]*; *#alba Rühl,[1893]*; *#aurantiaca Rühl,[1893]*; *deserticola Verity,[1909]*; *#cleopatra Kemal,2015* Original Reference: Colias aurorina Herrich-Schäffer,[1850], Syst. Bearb. Schmett. Eur. 1: f.453-456; ibid.6:22. Syntypes: [Türkei]: Kleinasien [?Amasia]. Range (in code): Cc Arr AM AZ GG Smt Akh Tbl IR Ab Ak Kh Th Ke Kp TM TR RU Da Ahy 01 03 04 05 06 07 08 12 13 14 19 21 23 24 25 29 30 31 32 33 36 37 38 42 44 46 48 49 50 51 53 56 58 60 61 62 65 66 69 70 75 76 80 05A 06B 06C 06H 06K 06R 06Rb 06Rd 06Z 12A 12Aa 13A 13Ae 13Af 13Ax 13C 13Cd 13G 13Gv 13Gw 13Gz 21O 23I 23Ia 25C 25F 25Fb 25Fc 30B 30Bb 30Bk 30D 30Dt 44O 44Of 49F 49Fd 56F 58R 65B 65Bk 65Bx 65D 65Do 65F 65Fb 65Fe 65Fj 65Fü 65G 65Ge 66A 70A 70C 70Cd 75F 76C
- 150) Colias (Neocolias) chlorocoma Christoph,1888** (Pieridae) Synonym(s): *chlorocoma Christoph,1888* Original Reference: Colias chlorocoma Christoph,1888, Horae Soc. ent. ross. 22: 308. Syntypes: [Türkei]: Kasikoparan. Range (in code): Cc Arr AM Arn AZ Alg GG IR Ab Aha Ak TR 04 13 24 25 29 30 36 38 51 65 69 76 13G 13Gv 13Gw 30B 30Bk 65Bx 65D 65G 65Ge 76C
- 151) Euchloe (s.str.) ausonia (Hübner,[1804])** (Pieridae) Synonym(s): *ausonia Hübner,[1804]*; *marchandae Geyer,[1832]*. Original Reference: Papilio ausonia Hübner,[1804], Samml. eur. Schmett. 1: pl.113, figs.582-583; 64-65. Syntypes:Italien. Range (in code): Aa AF AL Cc AM Ao At AZ Ba BE BG B-H Bs BY CH Cm CN Co Cr FR GG GR HV IL IQ IT JO KG Kp Ku Ky LB LY MK Mn Or Rd RO RU Si Sm Sp Sr SS SY Tk Syr Tm TM TR T-S UA Ui Uk YU Mt Ko Slv Skp Vrn Rg Rtc TrA Aa Sau Tar DsA Mrk Nym Ktm CY IR Ak Msw Fa Lo Elb Th Zj MA DZ Bttna Orn Agi Dja Ah Eba Ktr TN Rbt Tlm Blid Cst Tun Ess Tth Saia Berr BSa Bsk Khh Lbs Hrh Hmk Ndr Ahr Ges Kab Ng Jla 01 02 03 04 05 06 07 09 10 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 48 50 51 54 56 58 60 62 63 65 66 68 70 71 73 74 76 77 78 80 05A 06A 06B 06N 06Na 06R 06Rd 06K 06N 06V 06Z 13G 13Gö 13Gg 13Gv 21N 21Nb 23I 23Ib 27C 27Cb 30A 30Ab 30Ad 30B 30Bk 31A 31Aa 31C 31F 31M 33A 33K 33O 35L 35La 35T 44L 44Lc 48A 48Ad 48Ak 48Al 48L 56F 58G 58Ga 58Gi 62F 63D 65B 65Bk 65Bx 65D 65Da 65E 65Eb 65Ec 65F 65Fd 65G 65Ge 66A 73D 73Da 73Db 76A 76Aa 76Ac 76B 76Bb 76C 80B 80Bc
- 152) Gonepteryx (s.str.) farinosa (Zeller,1847)** (Pieridae) Synonym(s): *farinosa Zeller,1847* Original Reference: Rhodocera farinosa Zeller,1847, Isis 1847 (1): 5. Type ♂: [Türkei]: Makri [=Fethiye]. Range (in code): Ae AL Cc AM AZ BG GG GR IQ IR Ab Ak Qba Elb Es Th Fa Ke LB MK Rd TJ TM Kp TR YU Mt 01 02 03 05 06 07 08 10 11 13 14 16 17 19 20 21 24 25 26 27 29 30 31 32 33 34 35 36 38 41 42 43 44 46 47 48 50 51 56 58 60 62 65 66 67 68 69 70 71 72 73 76 78 80 05A 06C 06K 13G 13Gv 13Gw 21N 21Nb 25F 25Fa 27C 31F 31K 31Ka 31L 31La 31M 33A 33O 36F 36Fb 48A 48Ak 56F 58G 58Ga 58Gi 65D 65Dc 65Dh 65Dk 65Di 65Do 65Fz 65K 72E 72Ec 76D 76Da 78D 78Da 80B 80Bc
- 153) Gonepteryx (s.str.) rhamni (Linnaeus,1758)** (Pieridae) Synonym(s): *rhamni Linnaeus,1758*; *gravesi Huggins,1956*. Original Reference: Papilio rhamni Linnaeus,1758, Syst. Nat. (Edn.10) 1: 470. Syntypes: Europe, Africa. Range (in code): AF AL Cc AM Asr AT At AZ Ba BE BG B-H Bl BY CH Cls CN Ui Co CZ DE DK DZ ES FI FR GB GG GR HU HV IE IN IQ IR IT Kb KG KK Kp Kr Ku LB Ld LT LU LV MA MK NL NO NP Nwf PK Ci PL PT RO RU Rv Sa SE Si SK Sm So Sr SS SY Sz Teb TJ TM TN TR UA Uk UZ VI Zi Gj Aq YU Ng Jla Lgh T-S Mu Bn Tk Aa Sp Mn At No To Om Ty Kg Ch Kw

Pw Ka Sb Tt So Sau Tar DsA TrA Cw Dv Smt H-W Sur Ssx Ken Mt Ko Sof Rtc Slv Bgz Sjn Trb LB Kts  
MM Ab Ak Msw Gh Mz Elb Th Arr Kh GlS Koh Swa Sgl Dju Rf Agi Blid BtNa Tun DhM Tgr Hrh 01 03  
04 05 06 07 08 10 11 12 13 14 15 16 17 18 19 24 25 26 30 31 32 33 34 35 36 38 39 42 43 44 46 47 48 49 50  
51 52 55 56 60 62 65 66 67 69 71 73 75 76 81 05A 06A 06C 06G 06H 06R 06Rb 13B 13Bg 13F 13F33 13G  
13Gs 13Gw 24E 24Ea 25F 25Fa 25Fb 25Fc 30B 30Bb 30Bk 30D 30Df 33A 36F 36Fb 56D 56Dc 65D 65Da  
65Dk 65Dl 65Dlc 65Dn 65Dm 65Do 65Dt 65F 65Fi 65Fd 65Fj 65Fq 65Fz 65K 65Kb 65Kl 65Km 65Ks  
65N 65Ne 65Ng 65No 65Np 65Nm 66A 75F 75Fi 76D 76Da

- 154) Leptidea duponcheli (Staudinger,1871)** (Pieridae) Synonym(s): *duponcheli* Staudinger,1871; *#dupncheli* Nazari,2003 Original Reference: *Leucophasia duponcheli* Staudinger,1871, Cat. Lepid. Eur. Faunengeb. (2): 5. Syntypes: [France]: Gallia mer., Pedemont; [Turkey]: Bithynia, Pontus. Range (in code): AL BG B-H ES FR GR MK TR Cc LB YU Mt Ko Slv IQ IR Ab Ak Elb Th Fa 01 03 04 05 06 07 08 10 11 13 14 15 16 17 18 19 20 21 22 23 24 25 26 29 30 31 32 33 34 35 36 37 38 40 41 42 43 44 45 46 48 49 50 51 53 56 58 59 60 62 64 65 66 67 69 70 71 73 74 76 78 05A 06B 06C 06G 06K 06N 06P 06R 06Rd 06V 06Z 13B 13Ba 13Bg 13D 13Da 13G 13Gw 13Gs 18F 23D 23Dc 25F 25Fa 30B 30Bb 30Bk 30D 30Dt 36F 36Fb 46F 49E 49Ea 56F 58G 58Gi 58Gj 58R 58Rb 65B 65Bk 65Bn 65Bn1 65Bx 65D 65Dc 65Dc 65Df 65Dh 65Dk 65Dl 65Dn 65Dr 65E 65Eb 65Ec 65F 65Fc 65Fç 65Fi 65Fd 65Fe 65Fg 65Fh 65Fq 65Fy 65F3 65Fz 65G 65Ge 65K 65Ka 65Kb 65Kc 65Kg 65Kl 65N 65Np 65Np1 65Np2 65Nr7 65Nm 66A 76C 76D 76Da 78D 78Da

- 155) Leptidea sinapis (Linnaeus,1758)** (Pieridae) Synonym(s): *sinapis* Linnaeus,1758; *candidus* Retzius,1783; *erysimi* Borkhausen,1788; *lathyri* Hübner,[1819]; *loti* Rennie,1832; *umbratica* Trimoulet,1858; *sartha* Rühl,1893; *stabiarum* Stauder,1914; *nigrescens* Verity,1919; *patunae* Stauder,1922; *lathyricana* Verity,1952. Original Reference: *Papilio sinapis* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 468. Type(s): [Europe]. Range (in code): Aa AL At AT Aty Ba BE BG B-H Bs BY Cb CH CN Co Cr CZ DE Dj DK EE ES FI FR GB GR HU HV IE IT Kb Kg KG Kr Ku Kw LT LU LV MK Mn NL No NO Om Or PL Pp PT Pw RO RU Sa Sb SE Sem Si SK Sm So Sp Sr SS Teb Tk To TR T-S Tt Ty UA Ui Uk VI YU Cw Dv Smt H-W Sur Ssx SY Mt Ko Vrn Bgz Slv Sjn Trb Mst LB Kts DsA TrA Ket Sau Tar Bn Act Alc Alv Alm Atu Av Bad Bar Bgs C-L C-M CRe Cas Ccs Cd Cor Cue Cz Ct Gna Gp Grn Gu Hue Hv Jae Lda Leo Mdr Mlg Mu Nrr Ore Pv Lug Ple Rio San Seg Sma Sor Svl Ter Tol Trg Val Vcl Zg Zm MA Rif Cz Ab 01 03 04 05 06 07 08 09 10 11 13 14 15 16 17 18 19 20 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 41 42 45 46 48 49 50 52 53 54 55 58 60 61 62 65 66 67 69 70 74 76 77 78 79 75 76 80 81 05A 06G 06R 06Rd 13G 13Gö 13Gg 13Gw 14I 14Ib 25F 25Fa 27C 30B 30Bk 30D 30Dt 31A 31Aa 31B 31E 31F 31K 31Ka 31L 31La 31M 33A 33K 36F 36Fb 39C 46G 46Gf 65D 65Dl 65Dlc 65Do 65Dp 65F 65Fg 65Fh 65Fj 65Fq 66A 78D 78Da 80B 80Bc

- 156) Pieris (Artogeia) ergane (Geyer,[1828])** (Pieridae) Synonym(s): *ergane* Geyer,[1828]; *narcaea* Freyer,[1828]. Original Reference: *Papilio ergane* Geyer,[1828], [in] Hübner, Samml. eur. Schmett. 1: Taf. 184 figs. 904-907. Syntypes: [Croatia]: Ragusa (Dubrovnik) (cf. Hemming, 1937, I:220). Range (in code): AL Cc Arr AM AT AZ BG B-H Cr ES FR GG GR HU HV IQ Hjo IR Ab Sro Msw Ak Elb Th Kdj IT LB MK RO SS TR YU Mt Ko Mst Trb Ple Cue Hue Lda Gna 01 02 03 04 05 06 07 08 12 13 14 15 16 18 21 23 24 25 26 28 29 30 31 32 33 36 38 42 43 44 46 47 49 50 51 52 56 58 60 62 63 65 66 69 71 73 74 76 04D 04Db 05A 06M 06R 06Rd 06Z 07D 07Db 13A 13Ab 13Ax 13F 13F35 13G 13Gç 13Gö 13Gg 13Gv 13Gü 13Gw 21O 23D 23Dc 23I 25F 25Fa 25Fb 25Fc 30B 30Bc2 30Bx 30Bk 30Bb 30Br 30D 30Dt 31B 31K 31Ka 36F 36Fb 44F 44Fb 44L 44Lc 46F 46G 46Gf 49E 49Ea 49F 49Fb 56F 58G 58Gj 58Gi 58Gk 63D 65B 65Bn 65Bk 65Bo 65Bx 65D 65Da 65Dc 65Dd 65Dda 65Df 65Dh 65Dk 65Dl 65Dlc 65Do 65Dp 65E 65Eb 65Ec 65F 65Fç 65Fd 65Fe 65Fg 65Fh 65Fj 65Fi 65Fm 65Fq 65Fr 65Fs 65Ft 65Fu 65F3 65Fw 65Fz 65G 65Gf 65Gh 65Gi 65Gl 65Go 65Gp 65K 65Kb 65Kg 65Kc 65Kl 65Km 65Kq 65Kö 65Kü 65Kw 65N 65Np 65Nm 66A 73A 73Ad 73Ad2 76C 76D 76Da 76Dg

- 157) Pieris (Artogeia) krueperi Staudinger,1860** (Pieridae) Synonym(s): *krueperi* Staudinger,1860 Original Reference: *Pieris krueperi* Staudinger,1860, Wien. ent. Monatschr. 4: 19-20. Syntypes ♂♀: "Graecia": Arkanania. Range (in code): AF AL BG Chi GR IQ IR Elb Th Fa Ke Ss Kos Ld MK OM SA Bhh PK SY Syr TeA TR Cc Slv Tm Ike KK KG T-S IN CN Ui Ga UZ Smk 01 02 07 08 09 10 13 16 17 21 25 30 32 33 35 36 39 42 45 46 48 51 56 58 62 65 70 72 73 76 80 13G 13Gw 21N 21Nb 25F 25Fa 25Fb 30B 30Bc2 30Bx 30Br 30D 30Df 30Dt 33K 36F 36Fb 39C 46G 46Gf 48D 56F 58G 58Ga 58Gi 65D 65Dc 65Dç 65Do 65Dd 65Dda 65Dp 65E 65Ea 65F 65Fç 65Fz 65K 65Kö 70B 72E 72Eg 72Eh 73A 73Ad 73Ad2 76B 76Bf 76Bh 80B 80Bc

- 158) Pieris (Artogeia) mannii (Mayer,1851)** (Pieridae) Synonym(s): *mannii* Mayer,1851; *manni* Verity,1908; *alpigena* Verity,1911; *roberti* Eitschberger & Steiniger,1973. Original Reference: *Pon[tia] mannii* Mayer,1851, Stettin ent. Ztg. 12:151. Type: [Croatia]: Spaloto. Range (in code): AL AT BG B-H CH CZ ES Mlg Grn Alm Mu Mdr Hue Gna Bar Ter FR GR HU HV IT Kr MA Tgz MK RU Co Sa Si SK SS TR Cc UA YU Mt Ko Sjn Mst IR Ak Shf Mz GlS 01 02 03 06 07 08 10 11 13 14 17 18 21 23 24 25 26 28 29 30 31 32 33 34 35 36 37 38 39 42 43 44 45 46 47 48 49 50 51 53 56 61 62 65 67 69 73 74 75 76 78 80 13A 13Ab 13Ax 13B 13Bg 13C 13Cd 13G 13Gw 21L 21Le 21N 21Nb 25F 25Fa 25Fb 30D 30Dt 36F 36Fb 44L 44Lc 46F 46Ff 46G 46Gf 49E 49Ea 49F 49Fb 56F 65D 65M 65Md 65N 65Nj 65Ns1 65Nm 73D 73Df 76D 76Da

- 159) Pieris (Artogeia) persis Verity,1922** (Pieridae) Synonym(s): *persis* Verity,1922; *higginsii* Bowden,1961. Original Reference: *Pieris napi* ssp. *persis* Verity,1922, Entomologist's Rec. J. Var. 34: 140. Lectotype ♀: [Iran]: Persia, Husseinabad, J. de Morgan leg. (MNHN). Range (in code):



IR Kd TM Kp TR IQ Hjo Ry 13 21 30 44 49 56 65 73 76 13A 13Ab 13Ax 13G 13Gi 13Gö 13Gg 13Gc 13Gi 13Gw 21N 21Nb 30B 30Bb 30Bk 30Bf 44F 44Fb 49F 49Fb 56F 65B 65Bk 65Bn 65Bn1 65D 65Dl 65Dlc 65Do 65Doa 65G 65Gt 65F 65F1 65Fc 65Fz 73D 73Df 76B 76Bf 76Bh

- 160) **Pieris (Artogeia) pseudorapae Verity,1908** (Pieridae) Synonym(s): *pseudorapae Verity,1908* Original Reference: *Pieris napi* var. *pseudorapae* Verity,[1908], *Rhopalocera palaeartica*: 144, pl. 32, 33, figs. Lectotype: [Lebanon]: Beyrouth (Bowden & Riley,1967). Range (in code): Cc Arr AM AZ BG B-H Da GG GR HV IQ IR Elb Mz Th JO LB Le MD MK RO RU SY TR UA YU 01 03 04 05 06 07 08 10 11 12 13 14 16 17 18 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 41 42 43 44 45 46 47 48 49 50 51 52 53 54 56 58 59 60 61 62 63 65 66 67 68 71 73 74 75 76 77 78 80 81 05A 06A 06B 06K 06R 06Rd 06S 06V 06Z 13A 13Ab 13Ax 13B 13Ba 13F 13F33 13F35 13G 13Gs 13Gi 13Gv 13Gy 13Gw 21N 21Nb 21Nh 21O 23I 23Ib 23M 25F 25Fc 27C 27Cb 30B 30Bc2 30Bx 30Bk 30Bb 30D 30Df 30Dt 30Du 31A 31Aa 31B 31L 36F 36Fb 39C 44F 44Fb 44L 44Lc 44O 44Oc 46F 46G 46Gf 49E 49Ea 56F 58G 58Ga 58Gi 58Gj 65Bx 65D 65Dc 65Dk 65Do 65F 65Fb 65Fg 65Fh 65Fz 65G 65Ge 65Gn 65K 65Kg 65N 65Np 65Nm 66A 73D 73Da 73Db 73Df 75F 76A 76Ab 76C 78D 76Da

- 161) **Pieris (Artogeia) rapae (Linnaeus,1758)** (Pieridae) Synonym(s): *rapae Linnaeus,1758*; *nelo Bergsträßer,1780*; *metra Stephens,1827*; *alpica Rossi,1929*. Original Reference: *Papilio rapae* Linnaeus,1758, Syst. Nat. (Edn.10): 468. Lectotype ♂: [Sweden (Verity,1947)] (LSL). Range (in code): Ae AF AL AT Az BE BG BH B-H BY Ch CH Ci CN Cn Co Cr CY CZ DE DK DZ EE ES FI FR GB Gg GR Hk HU HV IE IN IQ IR IS IT JO JP KG KK Kp KW Ld LT LU LV MA Mc Md MK MN MT Nf Nj NL NO OM PK PL PT QA Rd RO SA Sa SE Si SK SS SY TJ TM TN TR UA UZ YU Aa Am Ao At Aty Ax Ba Bs Cb Ikc Ir Ka Kg KP Kr KuA Kw Ky Mn No Om Pe Pr Pt Pw RU Sb Sj Sm So Sp Sr St TeA Tk Tm TrA Tt Us VI Cw Dv Smt H-W Sur Ssx Ken Mt Ko Ril Sju Mst Mkl T-S Um Bl Ci Bn DsA Sju Act Alc Alv Alm Atu Av Bad Bar Bgs C-L C-M CRe Cas Ccs Cd Cor Cue Cz Ct Gna Gp Grn Gu Hue Hv Jae Lda Leo Mdr Mlg Mu Mu18 Nrr Ore Pv Rio Seg Sma Sor Svl Ter Tol Trg Val Vel Zg Zm Lug Ple San US MX Aks Alb Arz Cf Cnt Col Dw Fl Ge Id Idp Iln Io Kan Knt Lou Mai Mch Mns Mns Mon Mrl Msc Mss NCa NDk NMx Ne Neb Nh Nje Ny Oh Ok Org Pns RDi SCa SDk Tnn Tx Ut Vi Vr WVi Wc Ws Wy AU Hw Agh Pa Hf TW Kml JP RU Am Us Sh TW VN D-I Ldo GG AZ Kir AM Cc Arr Ab Jal Mz Gls Kh Koh Nra Bhh Rbt Tbl Sok Ess Tlm Saia Orn Agi Blid Ges Ogl Btina Cst Tun Tgr Tou Bea Gle Azr Ng Hr BLM Kab AU QAU NSW Syd SAU Cai 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 58 59 60 61 62 63 64 65 66 68 69 70 71 73 74 75 76 77 78 79 80 05A 06A 06B 06C 06G 06H 06K 06N 06P 06R 06Rd 06V 06Z 07A 07Ad 07B 07Bb 07M 07Mb 13F 13F35 13G 13Gc 13Gs 13Gi 13Gy 13Gw 21L 21Lf 21N 21Nb 21Nh 23C 23Cc 23D 23Dc 23I 23M 23G 25F 25Fa 25Fb 25Fc 27C 27Cb 29A 29Ae 30B 30Bb 30Bk 30D 30Dt 31A 31Aa 31F 31K 31Ka 31L 31La 31O 33A 33C 33K 33O 36D 36Db 36F 36Fb 39C 42D 42Dc 44F 44Fb 44L 44Lc 44O 44Oi 45L 45La 46F 48A 48Aa 48Ak 48Ab 48D 48F 49E 49Ea 49F 49Fb 56F 58G 58Gk 58Gj 58Gi 63D 63E 65B 65Bk 65Bx 65D 65Dk 65Do 65G 65Ge 65Gt 65H 65He 65E 65Eb 65F 65Fd 65Fh 65Fg 65Fn 65Fr 65K 65Kb 65N 65Ne 65Kl 65Ku 65M 65Md 66A 73A 73Ad 73Ak 73D 73Da 73Df 75F 75Fi 76B 76Bb 76Bf 76Bh 76C 76D 76Da 76E 76Ea 78D 78Da

- 162) **Pieris (s.str.) brassicae (Linnaeus,1758)** (Pieridae) Synonym(s): *brassicae Linnaeus,1758*; *chariclea Stephens,1827*; *#venata Verity,1908*; *cyniphia Turati,1924*. Original Reference: *Papilio brassicae* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 468. Type(s): [Europe]. Range (in code): Adr AF AL AT Az Bd BE BG B-H Bs BY Ch CH CN Co Cr CY CZ DE DK EE ER ES FI FR GB GR Hk HU HV IE Ii IL IQ IR IS IT JO Ka Kab Kbb Kg KG KK Kp Kr Kw Ky LB LT LU LV MK MT NL No NO NP Om Pag PK Ci PL PT Pw Rd RO RU Sa Sb SE Si SK So SS Tm TM TR Tt UA Ui UZ Aa Ax Ikc KuA Mn Sp Tk TrA Cw Dv Smt H-W Sur Ssx Ken Ko MA DZ TN Sju Trb Sof Rg Rtc Slv Mt LY Cy SY Kts T-S Um Bn DsA Elb Th Sju Act Alc Alv Alm Atu Av Bad Bar Bgs C-L C-M CRe Cas Ccs Cd Cor Cue Cz Ct Gna Gp Grn Gu Hue Hv Jae Lda Leo Mdr Mlg Mu Nrr Ore Pv Rio Seg Sma Sor Svl Ter Tol Trg Val Vel Zg Zm Lug Ple San Mu18 IN Ass Slo Dk TH Pa Hf Ab Ak Shf Mz Gls Kh Koh Swa Gg Bt Nwf Pes Mdy Rbt Azr Ess Orn Agi Blid Bsk Ktr Tlm Cst Btina Tun Tgr Mzg Hrh Ng Hr Prw 01 02 03 04 05 06 07 08 09 10 12 13 14 15 16 17 20 21 22 23 24 25 26 27 29 30 31 32 33 34 35 36 37 38 39 41 42 43 44 45 46 48 49 50 51 52 53 54 55 56 58 60 61 63 65 66 70 71 73 74 75 76 77 78 80 81 04D 04Db 05A 06B 06C 06G 06K 06R 06Rd 06V 07A 07Ab 07Ag 07B 09K 09Ka 13A 13Ab 13Ax 13B 13Ba 13Bg 13G 13Gi 13Gö 13Gg 13Gk 13Go 13Gs 13Gc 13Gw 14I 14Ib 21N 21Nb 23G 23E 25F 25Fa 30B 30Bk 30D 30Dt 30Dx 31A 31B 31C 31E 31F 31Fb 31K 31Ka 31L 31La 33A 33C 33K 33O 36D 36Db 39C 44A 44Aa 44E 44F 44Fb 44L 44Lc 45L 45La 46F 46Fc 48A 48Aa 48Ag 48Ak 48Al 48D 48F 48L 49E 49Ea 49F 49Fb 56F 56Fa 58G 58Gi 65B 65Bk 65Bx 65D 65Dc 65Dk 65Dl 65Dlc 65Do 65Dw 65F 65Fb 65Fd 65Fc 65Fj 65F3 65Fg 65Fq 65G 65Ge 65Gt 65K 65Kö 65Kq 65Km 66A 73D 73Db 76A 76Ac 76B 76Bf 76Bh 76C 76D 76Dg 78D 78Da

- 163) **Pontia callidice (Hübner,[1800])** (Pieridae) Synonym(s): *callidice Hübner,[1800]*; *callidice Esper,[1803]*. Original Reference: *Papilio callidice* Hübner,[1800], Samml. eur. Schmett. 1:63,pl.81, figs. 408,409. Syntypes: Schweizergebirge. Range (in code): Aa AF At Kts AT Ax Bv Py Fo6 F65 BY Ch CH CN DE DsA ES FR Hu IQ IR Ab Ak Bk Elb Th IT KG KK KuA Ld Mn PK Ci Pm RU Sau Sp SS Tar TeA TJ Tk TR Arr Cc TrA UA Ui Ku Um T-S 01 03 04 05 06 07 08 13 16 24 25 29 30 32 38 42 44 46 48 51 53 58 60 62 65 69 70 73 76 05A 06B 13G 13Gv 13Gw 30B 30Bk 30Bb 42B 42Bb 44E 51B 51Ba 62E 62G 65Bx 65D 65F 65Fö 65Fs 65Fü 65Fw 65Fz 65G 65Ge 65K 65Kr 65Kq 69B 69Ba 70A 76C

- 164) **Pontia chloridice (Hübner,[1813])** (Pieridae) Synonym(s): *russiae Esper,[1784]* nec *russiae Esper,[1783]*; *chloridice Hübner,[1813]*; *#aestuosa Staudinger,1901*; *albidice Staudinger,1901* nec *Oberthür,1881*.

Original Reference: Papilio chloridice Hübner,[1813], Samml. eur. Schmett. 1: pl. 141, figs. 712-715. Syntype(s): [Europe]. Range (in code): AF Ng Jla Bl Ao Aq Bn At Ba BG BY Cb Ci CY Dj DsA FI Gg GR IQ Kq IR Ab Ak Elb Th Kh Lo Ka Kbb KG KK Kw Ld LT LV MK Mn MN Mrk Om Or PK Pnj Pw Rk RU Sau Sb Sem Sm So Sp Sr Tar TeA Tk TR Cc Tt UA Uk Vt Slv Rg T-S CN Ui Adu Um 03 05 06 07 08 10 12 13 16 18 21 23 24 25 29 30 33 34 35 36 42 44 45 46 48 50 56 60 62 63 65 69 71 73 76 05A 06R 06Rd 07A 07Af 07B 07Ba 12B 13G 13Gs 13Gw 21N 21Nb 21O 23C 23Cc 23M 23M 24L 25F 25Fa 25K 25N 30A 30Aa 30B 30Ba 30Bc 30Bx 30Bf 33A 35L 36D 36Db 46L 50G 50Gd 56A 56Aa 56E 56F 56Fa 56Fu 56Fy 56Fb 56F1 56F3 56Fé 56Fç 56Fz 56Fg 62F 65D 65Da 65Dh 65Do 65Doa 65F 65Fd 65G 65Gi 65K 65Kb 65Kc 65Kl 73A 73Ab 73C 73Cd 73D 73Dg 76B 76Ba

- 165) Pontia edusa (Fabricius,1777) (Pieridae)** Synonym(s): *edusa* Fabricius,1777; *bellidice* Ochsenheimer,1808; *persica* Bienert,1869; *#nitida* Verity,[1908]. Original Reference: Papilio edusa Fabricius,1777, Genera Insectorum: 255. Type(s): [Deutschland]: Chilonii. Range (in code): Aa Ae Aq Bn At Kts Aty Ax BG Bs Cb CN Cy DE Dg Dj GG Gj GR IQ IR IT Kg KG KK Kp Kt KuA Ky Mg MK Mn No NrK Om Or Pp Rd Rk RU Sb Sem Sm Sp Ss TeA TJ Tk Syr Tm TM TR TrA Ty Ui Uk UZ YU Ze SY Um Ku DsA T-S Ab Ak Ahw Ar Ara B-A Bk Brz Bu By Dzf Es Fa Gh Gor Adu Sju Ha Hz Il Kaz Kd Kh Km Kz Lo Ma Mz Qz Se Ss Th Yz Zj Ab Jal Sro Msw Ak Agh Cc 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 38 39 40 41 42 43 44 46 47 48 49 50 51 52 53 54 55 56 58 59 60 61 62 63 65 66 67 68 69 70 71 73 74 75 76 77 78 79 80 81 04D 04Db 05A 06B 06D 06H 06K 06N 06P 06R 06Rd 06V 06Z 13A 13Ab 13Ac 13Ae 13Af 13Ag 13Ah 13Ax 13B 13Bg 13C 13Cd 13F 13F33 13G 13Gö 13Gg 13Gv 13Gw 18F 21N 21Nb 21O 23C 23Cc 23D 23Dc 23I 23G 25F 25Fa 25Fb 25Fc 27C 27Cb 30B 30Bk 30Bb 30Br 30D 30Dt 30Du 31A 31Aa 31B 31F 33A 33C 33K 33O 36F 36Fb 39C 44E 44F 44Fb 44I 44L 44Lb 44Lc 46D 46Da 46F 46G 46Gg 47F 48A 48Aa 48Ak 48Ah 48F 49E 49Ea 49F 49Fb 56F 58G 58Ga 58Gd 58Gj 58Gi 58R 58Rb 63D 63E 65B 65Bk 65Bn 65Bn1 65Bo 65Bx 65D 65De 65Dd 65Dda 65Df 65Dl 65Dlc 65Do 65Dp 65Dq 65Dr 65Drb 65E 65Eb 65Ec 65Eç 65F 65Fb 65Fç 65Fe 65Fh 65Fg 65Fn 65Fp 65Fr 65Ft 65Fu 65Fy 65Fw 65Fz 65F3 65G 65Gf 65Gm 65Gn 65Go 65Gp 65Gs 65K 65Ka 65Kb 65Kg 65Kç 65Kl 65Ks 65Kp 65Ku 65Kw 65Ky1 65M 65Mb 65Mc 65Md 65N 65Nk 65No 65Np 65Np1 65Nş 65Nm 66A 73A 73Ad 73D 73Df 75F 75Fc 76A 76Ac 76B 76Ba 76Bb 76C 76D 76Da 76Db 76E 76Ea 78D 78Da 80B 80Bc

- 166) Zegris eupheme (Esper,[1804]) (Pieridae)** Synonym(s): *eupheme* Esper,[1804]; *erethoe* Eversmann,1832; *tschudica* Herrich-Schäffer,[1851]. Original Reference: Papilio eupheme Esper,[1804], Die Schmett.(Suppl.) 1(1):105, pl.113, figs.2,3. Syntypes: [Ukraine]: "Gegend Sewastopol in Taurien". Range (in code): MA Azr Ifr Cc AM At AZ CN DsA ES Mu Mu18 GG IQ Fat Qg Jd IR Ar Ab Khy Ak Zj Kz Fa Ha JO KG Ku MA Mn Nym Rk RU SA Sm Sp Sr TR Arr TrA DsA Ui Uk Vi T-S SY Mu Lda Hue Mlg Sma Snv Sor Vcl Zg Bgs Bar Alc Act Abr Mdr Cue Ter Cas Gu Seg Tol CRe Jae Grn Alm Av Trg 01 04 05 06 07 11 18 24 25 30 31 32 33 36 38 42 44 46 50 51 58 60 65 71 73 76 04D 04Db 05A 06A 06B 06K 06R 06Rd 06Z 07A 07Ad 30B 30Bc 30Bx 30Be 30Bg 30D 30Dt 31M 33P 36D 36Db 36Df 36F 36Fb 38H 42B 42R 44L 58C 58G 58Ga 58Gf 65B 65Bn 65Bn1 65D 65De 65Dç 65Dd 65Dda 65Df 65Dj 65Dk 65Dn 65Dr 65Drb 65E 65Eb 65Eç 65F 65Fç 65Fe 65Ff 65Fm 65Fz 65K 65Ka 65Ks 65Kz 65Kg 65Ky 65Ky1 65M 65Mc 65Md 73C 73Cd 76A 76Ac 76B 76Bj 76C 76D 76Dd (Figs. 25-27)

- 167) Arethusana arethusa ([Denis & Schiffermüller],1775) (Satyridae)** Synonym(s): *arethusa* [Denis & Schiffermüller],1775; *erythia* Hübner,1805; *pontica* Heyne,[1895]; *sultana* Wagner,1929; *hakkarica* Koçak,1975 Original Reference: Papilio arethusa [Denis & Schiffermüller], 1775, Ankündigung syst. Werkes Schmett. Wienergegend: 169. Type(s): [Austria]: Vienna district. Range (in code): Aa AL At Bn AT Aty Ao Ba Bs BE BG Bs BY Cb CH CN CZ Db DE ES Mu FR GR HU IT Ka KG KK Kw Mn NL Or PT Pw Rk RO RU SK Sm So Sp Sr Tk Syr Tm TR Cc GG Smt KuA TrA TeA Ket Tls T-S IR Ab Ak Khy Qo 03 04 05 06 07 08 10 11 13 14 16 19 20 22 24 25 26 29 30 32 33 35 36 38 39 42 50 51 53 58 60 65 66 69 70 71 76 05A 06B 06C 06D 06H 06K 06R 06Rd 06V 06Z 13G 13Gv 13Gw 14I 14Ib 29A 29Ae 39C 58G 58Gg 65Bx 65D 65De 65F 65Fe 65Fq 65F1 65Fz 65G 65Gd 65Ge 65K 65Kg 65Kl 65N 65Np 65Nm 70C 70Cb 76C

- 168) Chazara (Neochazara) anthe (Hoffmannsegg,1804) (Satyridae)** Synonym(s): *anthe* Hoffmannsegg,1804; *persephone* Hübner,1805; *anthe* Ochsenheimer,1807. Original Reference: Papilio anthe Hoffmannsegg, 1804, Mag. f. Insektenk. 5: 182. Syntypes: [Russia]: Südrussland. Range (in code): Cc AM Ao Aq At AZ Ba Cm GG Gj IQ IR Ab Qba Ak Zj Elb Th Fa Ss JO KG LB Mg Mn RU Sm So Sp Sr TR Arr UA Uk Vl Ktm Nym SY IL Pa Hf 01 02 03 04 05 06 07 13 14 16 19 21 23 24 25 26 29 30 33 36 37 38 40 42 43 44 46 47 50 51 58 60 62 65 66 68 70 71 74 75 76 78 81 05A 06B 06C 06K 06N 06P 06R 06Rd 13A 13Ab 13Ac 13Ax 13G 13Gv 13Gw 14I 14Ib 36C 36Ca 36F 36Fb 44O 44Oi 46D 46F 46Ff 46G 46Gf 58G 58Gk 65B 65Bo 65Bx 65D 65E 65Ea 65F 65Fe 65Fu 65G 65Gd 65Ge 65K 65Kl 65Km 65Kz 65Kg 65Kş 65Kw 65N 65Np2 65Np4 65Nr4 65Nm 66A 70C 70Cb 76C 76D 76Da





**Figs 25-27** - Top: Full grown caterpillar of *Zegrus eupheme*. Middle: pupae of *Zegrus eupheme*. Bottom: *Sisymbrium*, larval food-plant of *Zegrus eupheme*. Turkey, Van Prov., Çatak, Yapılı 1950m, 17 7 2013, M Kemal & A. Koçak (Cesa)



- 169) Chazara (s.str.) bischoffi (Herrich-Schäffer,[1846])** (Satyridae) **Synonym(s):** *bischoffi* Herrich-Schäffer,[1846] **Original Reference:** Satyrus bischoffii Herrich-Schäffer,[1846], Syst. Bearb. Schmett. Eur. 1: figs.276-279. Syntypes: [Türkei]: Südseite d. Ararat (M. Wagner). **Range (in code):** IR Ab Ak Msw Cc TR Arr 01 04 06 07 08 13 21 23 24 25 29 30 36 38 40 42 44 46 49 50 51 53 58 60 62 65 66 68 69 76 06B 06K 06Y 13A 13Ab 13Ax 13G 13Gv 13Gw 29A 29Ae 36F 36Fb 44O 44Od 46F 49F 49Fd 65B 65Bm 65Bx 65D 65Dç 65Dg 65Dga 65F 65Fb 65Fc 65Fd 65Fe 65Fp 65Fz 65G 65Ga 65Gb 65Gd 65Ge 65Gf 65Gm 65Gn 65Gq 65K 65Kr 65Ky1 65Kz 65Kğ 65N 65Np5 65Nr4 65Nm 66A 76C 76D 76Da
- 170) Chazara (s.str.) briseis (Linnaeus,1764)** (Satyridae) **Synonym(s):** *briseis* Linnaeus,1764; *daedale* Bergsträßer,1780; *bataia* Fruhstorfer,1909; *interjecta* Verity,1916; *variabilis* Varin,1958; *pictonica* Varin,1958. **Original Reference:** Papilio briseis Linnaeus,1764, Museum Ludovicae Ulrica: 276. **Type(s):** Germania. **Range (in code):** AF AL AM Ao At Bn Kts AT Aty AZ Ba BE BG B-H BY CH CN CY CZ DE DZ ES FR GG GR HU HV IQ IR IT Ju KG KK LU MA MK MN PL RO RU SE Si SK Sm So Sr SS TJ TM TN TR T-S UA Ui Uk UZ VI YU Tm Vi Ao Sr Uk Aq Or Sm Tt Cb Kt Kw Ty Om Pw Ka Rk Tar Sau Ssn Mn Buc At Bn Mu Trt Kts Ur Aa Ku Sem Tk Ui TeA KuA DsA Bc Ab Sro Qba Msw Ak Kd Mz Elb Kp Sju Cc Bc BtNa Hr 01 02 03 04 05 06 07 08 10 11 12 13 14 15 16 17 18 19 20 21 23 24 25 26 27 29 30 31 32 33 34 35 36 37 38 40 42 43 44 46 47 48 49 50 51 53 55 56 58 60 62 63 64 65 66 68 69 70 71 73 74 76 78 80 01A 01H 01K 04D 04Db 05A 06B 06C 06D 06G 06H 06K 06N 06R 06Rd 06V 06N 06Z 12A 12Ab 12E 12Eb 13A 13Ab 13Ax 13G 13Gv 13Gü 13Gw 21N 21Nb 21P 21K 27D 27E 30B 30Br 31A 34C 36F 36Fb 44F 44Fb 44L 44Lc 44O 44Od 44Oi 46D 46F 46Ff 46G 46Gf 49E 49Ea 49F 49Fe 56F 58G 58Gg 58Gj 58Gk 58R 58Rb 65B 65Bk 65Bo 65Bx 65D 65Dç 65E 65Eb 65F 65Fc 65Fd 65Fe 65Fg 65Fi 65Fj 65Fç 65Ft 65Fx 65Fz 65K 65Kb 65G 65Ga 65Gm 65Gn 65Go 65Gp 65Gq 65Gs 65K 65Kc 65Kl 65Kr 65Kş 65Ku 65Kü 65Ky1 65N 65Nb 65Np2 65Np3 65Np4 65Np5 65Nr2 65Nr3 65Nr4 65Nr6 65Nm 66A 70C 70Cb 73A 73Ad 73Ad2 76C 76D 76Da 76Dg 78D 78Da 80B 80Bc 80Bd
- 171) Chazara (s.str.) egina (Staudinger,[1892])** (Satyridae) **Synonym(s):** *egina* Staudinger,[1892]; *aisha* Rose,1986. **Original Reference:** Satyrus bischoffii var. eginus Staudinger,[1892], Dt. ent. Z., Iris 4: 237. Syntypes 6♂ 2♀: [Türkei]: Egin [=Kemaliye]. **Range (in code):** TR IR Es 02 24 44 56 58 62 65 44O 44Oc 56F 56Fg 65D 65Do 65Dp
- 172) Coenonympha (s.str.) leander (Fabricius,1787)** (Satyridae) **Synonym(s):** *#leander* Esper,[1784]; *leander* Fabricius,1787 **Original Reference:** Papilio leander Fabricius,1787, Mant. Ins. 2: 33, nr.350. **Type(s):** Europa australiori. **Range (in code):** AL Ba BG GR RO RU Sr TR Cc VI YU Bs Or Uk IR Ab Elb Th Ak Sah Gh TM Kp 03 04 05 06 07 08 13 16 24 25 29 30 36 42 51 60 65 69 76 05A 06N 06Ne 06R 13G 25F 25Fa 25Fb 25Fc 30B 30Bb 30Bk 51B 51Ba 51E 51Ea 65B 65Bk 65Bn 65Bn1 65Bo 65Bx 65D 65F 65Fe 65Fw 65Fz 65G 65Gc 65Gd 65Ge 65Gn 65Gp 65Gs 65Gv 65Gz 65K 65Kü
- 173) Coenonympha (s.str.) pamphilus (Linnaeus,1758)** (Satyridae) **Synonym(s):** *pamphilus* Linnaeus,1758; *menalcas* Poda,1761; *nephele* Hufnagel,1766; *marginata* Heyne,1894; *orantia* Fruhstorfer,1908; *scota* Verity,1911; *infrarasa* Verity,1926; *julducica* Verity,1926; *asiaemontium* Verity,1926; *euxina* Verity,1926; *posteuxina* Verity,1926; *londonii* Verity,1926; *neollyllus* De Lattin,1950 **Original Reference:** Papilio pamphilus Linnaeus,1758, Syst. Nat. (Edn.10) 1: 472. **Type(s):** Suecia. **Range (in code):** Aa AL AM Ao Aq AT Aty AZ Ba BE BG B-H Bs BY Cb CH CN Co CZ Db DE Dg DK EE ES Fe FI FR Ga GB GG GR HU HV IQ IR IT Ju KG Kg KK Kr Ku Kw Ky LB LT LU LV MK Mn NL NO Or PL Pp Psa PT Pw Rk RO RU Sa SE Si SK Sm So Sp Sr SS Tk Tm TM TR T-S Tt UA Ui Uk UZ VI YU Mu MA DZ IE MA MT Om TN Ty DsA Tar Sau Tar TrA Mrk Cw Dv Smt H-W Sur Ssx Ken At Bn SY Elb Kp Ab Oru Sro Ak Ha GlS Kh Cc Ouk Rf Lkr Azr Ifr Dju Tth Rbt Tlm Orn Berr Ges Dje BSa Khh BtNa Lbs Cst DhM Dze Hrh Ght 01 03 04 05 06 07 08 09 10 11 12 13 14 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81 01G 01H 01K 05A 06A 06B 06C 06D 06G 06H 06K 06N 06P 06R 06Rd 06S 06V 06Z 12A 12Ab 12Ai 12B 12E 12Eb 13A 13Ab 13Ae 13Ax 13B 13Ba 13Bg 13C 13Cf 13D 13Da 13F 13G 13Ga 13Gö 13Gğ 13Gv 13Gw 14I 14Ib 21L 21Le 21Lf 21Ld 21N 21Nb 21Nh 21O 23D 23Dc 23I 23Ia 23Ib 23E 25F 25Fa 25Fb 25Fc 30A 30Ab 30B 30Bb 30Bk 30D 30Da 30Df 33K 36D 36Db 36F 36Fb 38H 38Hc 39C 44A 44Aa 44L 44Lb 44Lc 44O 44Oi 46F 46Fc 46Fd 46Ff 46G 46Gf 48D 48F 49E 49Ea 49F 49Fb 49Fe 49Ff 56B 56F 58C 58G 58Gd 58Gi 58K 58N 58R 58Rb 62D 62H 62G 62Ga 62F 65B 65Bn 65Bn1 65Bo 65Bx 65D 65Dc 65Dk 65Dl 65Dq 65Dn 65Dm 65Do 65Dr 65Dt 65E 65Eb 65Ec 65Eç 65Ed 65F 65Fb 65Fc 65Fd 65Fe 65Fg 65Fh 65Fi 65Fj 65Fq 65Ft 65Fz 65G 65Ga 65Gd 65Gz 65K 65Kğ 65Kl 65Ks 65Kş 65Ky 65Ky1 65Kw 65M 65Md 65N 65Nc 65Nl 65Np 65Nr2 65Nr6 65Nş 65Nm 66A 66P 66Pa 72F 76B 76Bf 76Bh 78D 78Da 80B 80Bc
- 174) Coenonympha (s.str.) saadi (Kollar,[1849])** (Satyridae) **Synonym(s):** *saadi* Kollar,[1849]; *iphias* Eversmann,1851. **Original Reference:** Satyrus saadi Kollar,[1849], Denkschr. Akad. Wiss. Wien 1850: 11. **Type(s):** [Iran]: Farsistan, Schiraz (NHMW). **Range (in code):** Cc AM IR Ab Ak Msw Zj Fa Elb Th Ha TR Arr IQ 02 12 13 21 23 25 27 30 44 46 47 56 58 62 63 65 72 73 76 12A 12Ab 12B 13C 13Cf 13E 13Ea 13G 13Gv 21K 21L 21Lf 21N 21Nb 21O 21P 23C 23Cc 23D 23Dc 23I 23Ia 23Ib 23M 30A 30Ab 30B 30Bf 30Bg 30Bo 30Br 30D 30Da 44A 44Aa 44Ac 44E 44L 46G 46Gi 47D 47F 47H 56A 56B 56F 58G 58Ga 58Gi 62D 62E 62F 62H 63E 63M 65D 65Dc 65Dç1 65Dd 65Dda 65Dk 65Dl

65Dlc 65Do 65Doa 65Dn 65Fz 72E 72Eb 72Ec 72Ed 72Ef 72Ek 72F 73A 73Ac 73Ae 73C 73Cd 73Ce 73D 73Df 76B

- 175) Esperarge (s.str.) clymene (Fabricius,1787)** (Satyridae) Synonym(s): #climene Esper,[1783]; clymene Fabricius,1787; boroas Latreille,1803; synclimene Hübner,[1819]. Original Reference: Papilio clymene Fabricius,1787, Mant. Ins. 2: 44, nr.434. Type(s): Russiae australioris sylvaticis. Range (in code): AL Cc AZ BG Elb GG GR IQ IR Ab Qba Jal Ak Elb Th Fa Mz RO RU Sm Sr Th TR VI YU 04 05 06 07 08 12 13 16 19 23 24 25 29 30 36 38 40 42 44 46 49 56 58 60 62 65 66 69 71 73 75 76 04D 04H 04Ha 05A 06D 13A 13Ac 13Af 13Ag 13Ah 13Ax 13D 13Da 13E 13Ea 13G 13Ga 13Gv 13Gw 24E 24Ea 25F 25Fa 25Fc 30B 30Be 30D 30Dc 36D 36F 36Fb 44L 44Lc 46F 46Ff 49E 49Ea 49Ec 49Ef 49F 49Fe 56F 65D 65Dc 65Dl 65Dlc 65E 65Eb 65F 65Fb 65Fc 65Fe 65Fg 65Fh 65Fi 65Fl 65Fm 65Fu 65Fü 65Fz 65G 65Gl 65Gp 65K 65Kc 65Kd 65Kg 65Kz 65Kl 65Kö 65Kü 65N 65Np 65Nr2 65Nr3 65Nr6 65Nm 66A 76C 76D 76Dj
- 176) Hipparchia (Neohipparchia) fatua (Freyer,1844)** (Satyridae) Synonym(s): fatua Freyer,1844; sichaea Lederer,1857; insularis Turati,1929; elineata Verity,1937; infracastanea Verity,1938; kosswigi De Lattin,1950. Original Reference: Papilio fatua Freyer,1844, Neuere Beitr. Schmett. 5:54. Lectotype ♂: [Türkei]: Kedos [Gediz] (Kudrna, 1977: 132). Range (in code): Ae AL BG Cc GG GR HV IL Pa Hf IQ IR Ab Mak Ak Elb Th Fa JO LB Rd SY TM TR 01 02 03 04 05 06 07 08 09 10 11 16 17 20 21 23 24 25 27 30 31 32 33 34 35 36 39 42 43 44 45 46 48 50 51 57 58 60 62 65 70 71 73 74 75 77 78 80 05A 06N 06R 06Rd 23I 23Ib 25F 25Fa 27C 27Cb 30B 30Ba 30Bf 30Bd 30Bg 30D 30Da 31A 31B 31L 35T 35Tb 39C 46F 46Ff 46G 46Gf 46L 48A 48Aa 48Ak 48D 62D 65D 65Do 65Dt 80B 80Bc
- 177) Hipparchia (Neohipparchia) parisatis (Kollar,[1849])** (Satyridae) Synonym(s): parisatis Kollar,[1849]; macrophthalmus Eversmann,1851; malatinus Heyne,1894; ismail Gross & Ebert,1975; huochenensis Huang & Zhou,2000. Original Reference: Satyrus parisatis Kollar,[1849], Denkschr. Akad. wiss. Wien 1: 51. Lectotype ♂: [Iran]: Pers[ia]: Shiraz (Kudrna, 1977:143). Range (in code): AF Kab Nu Hr BLM Bd Shv Ng AM Cc IN IQ IR Ab Fa Ss Elb Th Kp AE OM TM TR Bl Ci Gg Hu Nwf PK Abb Thu Koh K-P CN Ui 04 08 12 13 21 23 24 25 30 31 36 44 46 47 56 58 62 63 65 73 76 21O 23C 23Cc 24E 25F 25Fa 30A 30Ab 30B 30Br 31M 36F 36Fb 47H 56F 58G 58Gd 62F 65D 65Dp 65Dx 73A 73Ad 73Ad2 76D 76Da
- 178) Hipparchia (Neohipparchia) statilinus (Hufnagel,1766)** (Satyridae) Synonym(s): statilinus Hufnagel,1766; fauna Sulzer,1776 nec Drury,1773; allionia Fabricius,1781; actaea sensu Villers,1789; arachne Esper,1789 nec Denis & Schiff.,1775; allionii Hübner,1826, etc. Original Reference: Papilio statilinus Hufnagel,1766, Berl.Mag. 2:84. Type(s): [Germany]: Berlin. Range (in code): AL AT BE BG B-H BY CH CZ DE ES Mu FR GR HU HV IT LT MK NL PL PT RO RU Si SK SS TR Cc Arr UA YU DZ Sbd Eba Afl Btina Dja Lbs Blid MA Ifr TN Brd 01 03 05 06 07 08 10 11 12 13 14 16 17 19 20 22 23 25 26 29 30 33 34 35 36 38 39 41 42 43 46 50 52 58 60 65 66 67 70 71 76 81 05A 06D 06E 06K 06R 06Rd 06V 06Z 12E 12Eb 13G 13Ga 13Gv 13Gw 25F 25Fa 36F 36Fb 39C 46G 46Gf 65D 65Do 65F 65Fd 65Fe 65Ft 65Fu 76C
- 179) Hipparchia (Parahipparchia) pellucida (Stauder,1924)** (Satyridae) Synonym(s): pellucida Stauder,1924; cotys Jachontov,1935; hesselbarthi Kudrna,1976. Original Reference: Satyrus semele ssp. pellucida Stauder,1924, Mitt. münch. ent. Ges. 14(1/5): 64-65. Lectotype ♂: [Azerbaijan]: Terter [Mir-Baschir] (designated by Kudrna,1977: 92) (in BMHN). Range (in code): AM AZ Cm Cc GG GR Ika IQ IR Ab Ak Le TR Arr UA 01 02 05 08 12 13 14 21 23 24 25 27 29 30 31 33 35 36 37 44 46 47 51 55 60 61 63 65 66 72 73 74 75 76 78 80 01E 01Ea 05A 12B 13G 14I 14Ib 25F 25Fa 27C 27Cb 31B 31E 31F 31Fb 31M 35T 35Td 36F 36Fb 46G 46Gi 46K 46Ka 46L 56F 65D 66A 75F 75Fc 76A 76Ab 78D 78Da 80B 80Bc 80C
- 180) Hyponephele (s.str. (Ereminephele)) naricoides Gross,1977** (Satyridae) Synonym(s): naricoides Gross,1977 Original Reference: Hyponephele naricina ssp. naricoides Gross,1977, Atalanta 8 (2): 123-125. Holotype ♂: Türkei: Nordostanatolien: 10km westl. Erzincan, 1500m. (in coll. Eitschberger). Range (in code): TR Cc AM IR Yz Ab Khy Ak 04 13 24 30 36 44 58 65 04B 04C 13A 13Aa 36D 44E 58G 58Gi 65G 65Gb 65B 65Bi 65Bx 65D 65G 65Ga 65Ge 65Gl 65K 65Kc 65Kl 65Kö 65Kg 65Kw
- 181) Hyponephele (s.str. (Iranonephele)) kocaki Eckweiler,1978** (Satyridae) Synonym(s): kocaki Eckweiler,1978 Original Reference: Hyponephele kocaki Eckweiler,1978, Atalanta 9 (4a): 375-378, figs.1-6,8. Holotype ♂: Türkei: Hakkari Pr.: Bercelem yaylası, 2500-2800m. (in coll. Eckweiler). Range (in code): TR IR Ab Sil 07 30 65 07D 30B 30Bb 30Bk 65Bx 65D 65Da 65G 65Ge 65K 65Kg
- 182) Hyponephele (s.str. (Turaninephele)) wagneri (Herrich-Schäffer,[1846])** (Satyridae) Synonym(s): wagneri Herrich-Schäffer,[1846]; schmidtii Bang-Haas,1927. Original Reference: Epinephele wagneri Herrich-Schäffer,[1846], Syst. Bearb. Schmett. Eur. 1: Taf. 65, figs.311-313; ibid. 6, Nachtrag zu Bd.1: 16, [1851]. Type(s): [Türkei]: Südseite d. Ararat (=Ağrı Dağı) (M.Wagner). Range (in code): AF Hr Bl IQ IR Ab Zj Kdj Elb Ma Hz PK TR Arr 01 02 07 12 13 21 23 24 27 30 33 44 47 48 50 56 58 62 63 65 70 72 73 01H 12B 13C 13Cf 13E 13Ea 21O 21P 23C 23Cc 23D 23Dc 23I 23Ia 23M 33A 44E 44L 44Lb 47D 47Da 47F 56F 58G 58Ga 58Gi 62G 62Ga 62F 62E 63B 63G 63M 65D 65Do 70C 70Cc 72E 72Eb 72Ed 72Ef 72Eg

- 183) Hyponephele (s.str.) lupina (Costa,[1836])** (Satyridae) Synonym(s): *lupina* Costa,[1836] Original Reference: *Satyrus lupinus* Costa,[1836], Fauna Regno di Napoli...:[69], [311], pl.4 figs.3,4. Syntypes: Italia: Napoli: Otranto, Bosco di Guagnano.. Range (in code): At Bn Ae AF AL AM Ao AZ Ba B-H Cr CY CZ DZ ES Mu FR GG GR HU Hr HV IL IQ IR IT JO Kg KK LB MA MK MN PK PT Rd RU Si SK Sm Sr SS TJ TM TR UA UZ VI YU Uk Aq Ky Syr Tm Db Tk Ka Ki Tt Ty Pw Sp Mn Or Bs Sm Kg Sau Mrk Tar DsA IiD T-S SY Tls CN Ui Il Ku Sju Hr Ax Kh Kp Cc Ab Sro Qba Jal Lbs Sbd Abe Dje Ktr Khh BtNa BlM Kab Bl Bnu 01 02 03 04 05 06 07 08 09 10 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 29 30 31 32 33 34 35 36 37 38 39 40 42 43 44 45 46 47 48 49 50 51 52 55 56 58 60 62 63 64 65 66 67 69 70 71 72 73 76 78 80 04D 04Db 05A 06B 06C 06D 06H 06K 06R 06Rd 06V 13A 13Ab 13Ac 13Ad 13Ae 13Af 13Ax 13D 13Da 13G 13Ga 13Gv 13Gw 21K 21L 21Le 21N 21Nb 21O 21P 25F 25Fa 27C 27Cb 31M 36F 36Fb 44F 44Fb 44L 44Lc 44O 44Oi 45L 45La 46F 46G 46Gi 46K 46Ka 48A 48Ab 48Ad 48Ah 48Ae 56F 58R 58Rb 63D 65Bx 65D 65Dc 65Do 65E 65Eb 65G 65Ga 65Gb 65Gd 65Ge 65Gn 65Go 65Gp 65Gs 65F 65Fb 65Fc 65Fe 65Fg 65Fh 65Fj 65Fi 65Fl 65Fr 65Fq 65Fu 65Fü 65Ft 65Fx 65Fz 65G 65Ge 65K 65Kg 65Kl 65Kö 65Ks 65Kü 65Ké 65N 65Nb 65Np 65Np1 65Nr2 65Nr3 65Nm 66A 72E 72Eb 72Eh 72F 73D 73Df 76D 76Dc 76Dg 80B 80Bc
- 184) Hyponephele (s.str.) lycaon (Rottemburg,1775)** (Satyridae) Synonym(s): *lycaon* Rottemburg,1775; #*lycaon* Kuhn,1774; *eudora* Esper,1778; *janirula* Esper,1800; *rufomaculata* Korb,2005 Original Reference: *Papilio lycaon* Rottemburg,1775, Naturforscher 6: 17. Type(s): Deutschland: Brandenburg. Range (in code): AL Ao AT Ba BG BY CH CN CZ DE EE ES Mu FI FR GR HU Ii IT IQ KG Ku LT LV PL PT RO RU Si SK Sm So Sr TR Cc UA Ui Uk VI YU SY At Bn Kts Kuz Sau Mrk Tar Ter KuA TrA DsA Ket Ax IL He LB T-S IR Ab Khy Ar Sbl 01 02 03 04 07 08 09 11 12 13 14 15 16 20 21 23 24 25 26 27 29 30 32 33 35 36 38 42 43 44 46 47 48 49 50 51 56 60 62 63 65 70 73 75 76 78 04D 04Db 12A 12Ai 13A 13Ac 13Ad 13G 13Ga 13Gv 13Gw 14I 14Ib 25F 25Fa 27C 46F 46Fj 56F 65D 65Do 65F 65Fe 65Fg 65Fh 65Fj 65Fl 65Fr 65Fq 65Fp 65Fs 65Fü 65Fu 65Fx 65Fz 65G 65Gb 65Gl 65Gm 65Gz 65K 65Kb 65Kl 65Kö 65Kg 65Kü 65N 65Nr2 65Nm
- 185) Hyponephele (s.str.) lycaonoides Weiss,1978** (Satyridae) Synonym(s): *lycaonoides* Weiss,1978; #*lycaonoides* Nazari,2003 Original Reference: *Hyponephele lycaonoides* Weiss,1978, Atalanta 9(3): 230-233, figs.1,2. Holotype ♂: Iran: Luristan: Marg-e-Malek 30km östl. Kuhrang 3200m. (in NPMP). Range (in code): IR Ab Khy Th Diz Lo TR Cc AM Nv AZ 07 13 30 65 69 73 30B 30Bo 65D 65Do 65F 65Fp 65Fz 73D 73Dg
- 186) Kirinia (Melike) roxelana (Cramer,[1777])** (Satyridae) Synonym(s): *roxelana* Cramer,[1777]; #*anatolica* Koçak,1989 Original Reference: *Papilio roxelana* Cramer,[1777], Uitl. Kapellen 2:101, pl.161, figs. C-F. Syntypes: [Türkei]:Constantinopel [=Istanbul], Smyrna [=Izmir]. Range (in code): Ae AL BG Cc Cm CY GR Rd RO RU LB IQ IR Ab Lo TR UA YU SY 01 02 03 05 06 07 08 09 10 11 13 14 15 16 17 19 20 21 22 23 25 26 27 29 30 31 32 33 34 35 38 39 42 43 44 45 46 47 48 49 51 55 56 58 59 60 62 65 66 71 72 73 78 80 01K 05A 06B 06C 06G 06R 06Rd 07B 07Bb 07F 07M 12B 13B 13Ba 13C 13Cf 15A 21L 21Lf 21N 21Nb 21O 21P 23C 23Cc 23D 23Dc 23M 24E 24Ea 27C 27Cb 31M 39C 42D 42Dc 44A 44Aa 44L 45L 45La 46G 46Gf 47D 47Da 47F 47Fa 48A 48Ab 48Ah 48Ae 48Ai 48Ak 48D 48F 49E 49Ea 56A 56B 56F 56Fc 62F 62G 62Ga 65D 65Do 65Dk 65Do 66A 72F 73A 73Ad 73Ad2 73C 73Cd 73D 73Df 78D 78Da 80A 80B 80Bc 80C
- 187) Lasiommata maera (Linnaeus,1758)** (Satyridae) Synonym(s): *maera* Linnaeus,1758; *pandion* Poda,1761; *hiera* Fab.,1777; *maja* Fuchs,1873; *monotonia* Schilde,1885; *crimea* Bang-Haas,1907; *atabryris* Fruhstorfer,1909. Original Reference: *Papilio maera* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 473. Type(s): Suecia (vide Linnaeus,1746 Fauna Suecica (1): 238). Range (in code): Ae AL Cc AM At Bn AT AZ Ba BE BG B-H Bs BY Cb CH Cr CY CZ DE DK EE ES Mu FI FR GG GR HU HV IL IT KG Kg Kr Kw LB LT LU LV MK Mn NL No NO Om Or PL Pp PT Rd RO RU SE Si SK Sm So Sp Sr SS Tk TR Tt Ty UA Uk VI YU At Sau Mrk Tar DsA Cb Kg Pp Kw Ty Pw SY Sb T-S Arr Pa Hf CN Ui Mu18 Cc Pja Kis Tbl Ab MA DZ Rf Lkr Dju 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 20 21 22 23 24 25 27 28 29 30 31 32 33 34 35 36 37 38 39 41 42 43 44 46 47 48 50 51 52 53 56 57 58 60 61 62 65 66 67 68 71 73 74 75 76 78 80 01D 01G 01H 01K 05A 06B 06G 06K 06R 06Rd 13G 13Gv 13Gw 21N 21Nb 21O 25F 25Fa 25Fb 27C 27Cb 31K 31Ka 31M 33A 36F 36Fb 46F 46G 46L 48A 48Ag 48D 56F 58G 58Gi 65B 65Bn 65Bn1 65D 65Do 65F 65Fc 65Fe 65Fq 65Fz 65K 65Kc 65Kl 65Km 65Kö 66A 80B 80Bc 80C
- 188) Lasiommata megera (Linnaeus,1767)** (Satyridae) Synonym(s): *megera* Linnaeus,1767; *caledonia* Verity,1911; *alticola* Verity,1911; *pseudoadrasta* Stauder,1922; *infrapallens* Verity,1922; *ocellator* Verity,1923; *pallidedepulverata* Verity,1923. Original Reference: *Papilio megera* Linnaeus,1767, Syst. Nat. (Edn.12) 1(2): 771, nr.142. Range (in code): Ae AL AT BE BG B-H BY CH Co Cr CY CZ DE DK EE ES Mu Mu18 FI FR GB GR HU HV IE IL IQ Dy IR Ab Qba Jal Ak Msw IT Kp Kr LB LT LU LV MK MT NL NO PL PT Rd RO RU Sa SE Si SK Sm So Sr SS SY TM TR Cc JO UA VI YU Cw Dv Smt H-W Sur Ssx Ken DZ MA TN Ski Ktr Dja Mkn Masc Ndr Saia Orn Agi Blid Ges Dje Bsk BtNa Lbs Khh Cst Ess Mzg Hrh Ahr Azr Rbt 01 02 05 06 07 08 09 10 11 12 13 14 15 16 17 20 21 22 23 24 25 26 27 28 30 31 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 55 56 57 58 59 60 62 63 65 66 67 70 71 72 73 74 75 76 77 80 01D 01E 01Ea 01G 01H 05A 06B 06G 06K 06N 06P 06R 06Rd 06S 06Z 13B 13Bg 13G 13Ga 13Gv 13Gk 13Gm 13Go 13Gs 13Gü 13Gw 21L 21Le 21N 21Nb 21P 25F 25Fa 25Fb 27C 27Cb 31K 31Ka 33O 36F 36Fb 39C 44A 44Ab 44L 44Lc 45L 45La 46G 48A 48Aa 48Ad 48Ab 48Ag 48Am 48D 49E 49Ea 56F 63E 65B



65Bk 65Gx 65D 65Dd 65Dda 65G 65Ge 65Gn 65F 65Fe 65Fj 65Fl 65Fq 65Fs 65Ft 65F3 65K 65Kğ 65Kö  
65N 65Nc 65Np 65Nm 66A 72E 72Eb 72Ed 73A 73Ad 73Ad2 73D 73Db 73Dg 75F 76A 76Ac 76Ad 80E

- 189) Lasiommata menava Moore,1865** (Satyridae) Synonym(s): *menava* Moore,1865. Original Reference: Lasiommata menava Moore,1865, Proc. zool. Soc. Lond. 56: 499, Pl.30 fig.3. Syntypes: [India]: Kunawur, Pang, Rarung (in BMHN). Range (in code): T-S AF Kab Ng Bl Ch Ci Gg Hp IN IQ IR Ab Ak Elb Fa Ke Yz Knw Kp Ld PK TJ TM TR KK KG Ax Syr Tm 30 65 73 30B 30Bf 65D 65Dd 73A 73Ad 73Ad2 73C 73Cd

- 190) Maniola (Telmessiella) telmessia (Zeller,1847)** (Satyridae) Synonym(s): *telmessia* Zeller,1847; *pallascens* Butler,1868; *kurdistan* Heyne,1894; *oreas* Le Cerf,1912; *maniolides* Le Cerf,1912; *ornata* Turati & Fiori,1930; *marenigrans* Verity,1938; *pelekasii* Kattulas & Koutsafikis,1978. Original Reference: Hipparchia telmessia Zeller,1847, Isis 1847: 4. Syntypes 2♂ 4♀: [Türkei]: Makri [Fethiye]: [Greece]: Rhodus. Lectotype ♂: Marmaris (designated by Olivier,1993) (in BMHN). Range (in code): Ae GR IL Pa Hf IQ IR Km Ab Lo JO LB Rd SY TR 01 02 03 07 09 10 12 13 15 17 20 21 23 27 30 31 32 33 35 42 44 45 46 47 48 51 56 62 63 65 70 72 73 80 01A 01E 01Ea 01G 01H 01K 12A 12Ab 12B 13C 13Cf 13D 13Da 13E 13Ea 13G 13Gd 21K 21N 21Nb 21P 21O 23D 23Dc 23E 23I 23Ia 23Ib 23M 27C 27Cb 30A 30Ab 30D 30Dt 31M 33A 35T 35Td 36F 36Fb 44O 44Oi 44I 44L 44Lb 44O 44Oi 45L 45La 47D 47Da 47F 47E 48A 48Ak 48Ab 48Aa 48Am 48Ac 48Ag 48Ai 48An 48Ao 48Aö 48Ap 48As 48Aş 48Au 48Aü 48Av 48D 56F 56Fc 56Fi 58G 58Gi 58Gk 65D 65Dc1 65Dk 65Dn 65Dl 65Dla 65Dq 65Dm 65Dt 65Fi 65Fz 65K 65Ku 65N 65Np 65Np8 65Nm 66F 72E 72Eb 72Ec 72F 73A 73Ad 73Ad2 73D 73Db 73Df 80B 80Bc 80Bd 80C 80E 80G

- 191) Maniola (s.str.) jurtina (Linnaeus,1758)** (Satyridae) Synonym(s): *jurtina* Linnaeus,1758; *janira* Linnaeus,1758; *lemur* Schrank,1801. Original Reference: Papilio jurtina Linnaeus,1758, Syst. Nat. (Edn.10) 1: 475. Syntypes: Europa, Africa; [Sweden (Verity,1953)]. Range (in code): Ae AL AM Ao AT AZ Ba BE BG B-H Bw BY Cc CH Co Cr CZ DE DK EE ES FI FR GB GG GR HU HV IE IQ IR IT Kr LT LU LV MK MT NL NO PL PT RO RU Sa SE Si SK Sm So Sr SS TM TR UA VI YU Cw Dv Smt H-W Sur Ssx Ken PT Cn MA DZ TN ES MT F66 Sr Sm Or Bs Cb Tt So Ao KG Uk Mu Ab Ak Oru Msw Qba Gh Mz Elb Th Lo Kd Ha Glb Rbt Ndr Saia Agi Blid Ges Dje BSa Btina DhM Tun Cst Phv Lbs Hrh Hmk Sbd Tgr Azr AF Hr 01 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 65 66 67 68 69 70 71 72 74 75 76 77 78 80 81 01E 01Ea 01K 05A 06A 06B 06C 06D 06G 06H 06K 06R 06Rd 06Z 13A 13Ab 13Ac 13Ax 13G 13Ga 13Gv 14I 14Ib 21O 23I 23Ia 23E 24E 24Ea 25F 25Fa 25Fb 25Fc 29A 29Ae 39C 44L 46B 46Bb 46F 46G 46Gf 46Gg 46Gi 49E 49Ea 49Ef 58G 58Ga 58Gg 58Gi 58R 58Rb 62F 62G 62Ga 62Gb 65D 65Do 65E 65Eb 65F 65Fc 65Fg 65Fh 65Fj 65Fq 65Fu 65Ft 65Fx 65Fz 65G 65Go 65Gq 65Gs 65F 65Fi 65Fç 65Fz 65G 65Gb 65K 65Kz 65Kğ 65Kl 65Kö 65Kü 65N 65Ne 65Np 65Nm 66A 66P 66Pa 75F 75Fi 78D 78Da 80B 80Bc

- 192) Melanargia (Turcargia) hylata (Ménétriés,1832)** (Satyridae) Synonym(s): *hylata* Ménétriés,1832 Original Reference: Satyrus hylata Ménétriés,1832, Catalogue raisonné des objectes de Zool. réunies Caucase...:251. Type(s): [Aserbaidjan]: Talyche: Khanat. Range (in code): Cc AZ IR Ab Jal Ak Mrd Zj Elb Th Fa TR IQ 04 13 21 30 65 13A 13Ab 13Ac 13Ae 13Af 13Ag 14Ah 13Ax 13G 13Gç 13Gv 13Gw 65B 65Bb 65Bc 65Bk 65Bo 65Bx 65D 65Dc 65Dd 65Do 65E 65Ea 65F 65Fc 65Fe 65Fg 65Fi 65Ft 65Fz 65G 65Gb 65K 65Kb 65Kc 65Ké 65Kl 65Kö 65Kü 65Kz 65Kg 65G 65Gm 65Gl 65K 65Kr 65N 65Nj 65Np 65Np1 65Np2 65Np3 65Np4 65Nr3 65Nr2 65Nr6 65Ns 65Nm

- 193) Melanargia (Turcargia) syriaca (Oberthür,1894)** (Satyridae) Synonym(s): *syriaca* Oberthür,1894 Original Reference: Arge galathea var. syriaca Oberthür,1894, Etüd. Ent. 19: 18-19, pl.8 figs.6,8. Syntypes: [Turquie]: Akbes (in BMHN). Range (in code): TR IR Ab Kd 01 12 13 21 23 24 25 30 31 46 49 62 65 73 80 12A 12Aa 12C 12E 12Eb 12Ea 13D 13A 13G 13Ga 13Gv 24L 25D 30B 30Bo 31F 31Fb 31M 46G 46Gf 46Gi 46F 46Ff 46Fi 46L 49E 49Ea 49Ed 49Ef 49F 49Fd 62E 62F 62G 62H 65D 65Do 65Dl 65Dk 65F 65Fa 65Fb 65Fc 65Fd 65Fe 65Fg 65Fm 65Fq 65Fs 65Fz 65G 65Gb 65K 65Kö 80A 80Bd

- 194) Pseudochazara (Achazara) anthelea (Hübner,[1824])** (Satyridae) Synonym(s): *anthelea* Hübner,[1824]; *atavirensis* Coutsis,1973. Original Reference: Papilio anthelea Hübner,[1824], Samml. eur. Schmett. 1: pl.174, figs.861-862. Syntypes: [Kleinasien] (Hesselbarth et al.,1995: 962). Range (in code): Ae AL BG B-H Cr CY GR MK Rd TR Cc IR Kd Mz 01 02 03 05 06 07 08 10 11 12 13 14 15 16 18 19 20 21 23 24 25 26 29 31 32 33 35 36 37 38 40 42 43 44 45 46 48 49 50 51 55 56 58 60 62 63 64 65 66 68 69 70 71 72 80 05A 06B 06C 06D 06H 06K 06N 06R 06Rd 13A 13Ab 13Ax 14I 14Ib 20P 21O 25F 25Fa 33K 33Kb 36F 36Fb 40D 40G 44E 44F 44Fb 44L 44Lc 44O 44Oi 45L 45La 46F 46Ff 46Fg 48Aa 48A 48Ab 48Ac 56F 64A 65D 65Dm 66A 70C 70Cb 71C 72E 72Eb 72Ed 72Eg 72Ek 80B 80Bc

- 195) Pseudochazara (s.str.) beroe (Freyer,[1843])** (Satyridae) Synonym(s): *beroe* Freyer,[1843] Original Reference: Hipparchia beroe Freyer,[1843], Neuere Beitr. Schmett. 5(70): 53, pl.415 figs.1,2. Syntypes: [Türkei: Uludağ]. Range (in code): TR Arr Cc IR Ab Ak 03 04 06 07 08 13 16 24 25 29 30 32 33 34 36 38 42 44 46 51 53 58 60 65 69 70 76 80 06R 13G 13Gv 13Gw 25F 25Fb 25Fc 65B 65Bk 65Bx 65D 65Dp 65Gd 65Ge 65G 65F 65Fs 65Fü 65Fw 65Fz 65K 65Kc 70C 70Cb 80B 80Bc

- 196) Pseudochazara (s.str.) geyeri (Herrich-Schäffer,[1846])** (Satyridae) Synonym(s): *geyeri* Herrich-Schäffer,[1846]; *aristonicus* Fruhstorfer,[1911]; *selim* Gross,1978, *karsicola* Gross,1978 Original Reference: *Satyrus geyeri* Herrich-Schäffer,[1846], Syst. Bearb. Schmett. Eur. 1: figs. 301-302. Syntypes: [Türkei]: Südseite d. Ararat (M.Wagner). Range (in code): **AL GR MK Cc TR Arr IR Ab 04 05 06 07 08 13 24 25 29 30 36 38 42 50 51 58 60 62 65 66 69 73 75 76 05A 06N 13G 13Gv 13Gw 25F 25Fc 36F 36Fb 58G 58Gg 65B 65Bk 65Bx 65D 65Dp 65F 65Fs 65Fü 65G 65Gd 65Ge 65Gn 65Gp 65Gv 65Gz 65K 65Kc 65Kl 65Kö 65Kg 65Kw 76C 76D 76Da**
- 197) Pseudochazara (s.str.) mamurra (Herrich-Schäffer,[1846])** (Satyridae) Synonym(s): *mamurra* Herrich-Schäffer,[1846]; *sintensis* Staudinger,[1896] Original Reference: *Satyrus pelopea* var. *mamurra* Herrich-Schäffer,[1846], Syst. Bearb. Schmett. Eur. 1: figs.314-315. Syntypes: [Türkei]: Ararat. Range (in code): **GR He IL LB TR Arr Cc RU Da SY IR Ab Ak Fa Ke Ss 01 02 03 04 05 07 08 13 15 24 25 28 29 30 32 33 36 38 42 44 46 51 58 60 62 65 66 69 73 76 05A 13A 13Ab 13Ax 13G 13Gv 25Ç 25Ca 25F 25Fa 25Fb 25Fc 36F 36Fb 38H 38Hc 58G 58Gg 65Bx 65D 65Dc 65F 65Fc 65Fe 65Fp 65Fz 65G 65Gd 65Ge 65K 65Kg 66A 76C 76D 76Da**
- 198) Pseudochazara (s.str.) pelopea (Klug,1832)** (Satyridae) Synonym(s): *pelopea* Klug,1832 Original Reference: *Hipparchia pelopea* Klug,1832, [in] Ehrenberg, Symb. Phys. Ins. 3:pl.29, figs.5-8. Syntypes: "Monte Libano Syriae prope Arissam". Range (in code): **IL Pa IQ TIH IR Ab Sro Ak Elb Th Ke Fa JO LB SY TM Kp Kh TR Cc 01 02 04 12 13 21 23 25 27 29 30 36 38 44 46 47 49 53 56 58 62 63 65 72 73 76 80 01K 13A 13Ab 13Ae 13Ax 13G 13Ga 13Gv 13Gw 21K 23C 23Cc 23I 23Ia 23Ib 23M 30B 30Br 44L 44Lc 44O 44Oi 46D 46F 46Ff 49A 49Aa 49E 49Ea 49Ef 56F 65B 65Bk 65Bx 65D 65Dc 65Do 65E 65Eb 65F 65Fc 65Fe 65Fg 65Fh 65Fj 65Fk 65Fq 65Fx 65Fz 65G 65Ga 65Gb 65Gc 65Gd 65Ge 65Gf 65Gn 65Go 65Gp 65K 65Kb 65Kc 65Kl 65Km 65Kö 65Kş 65Ku 65Kü 65Kz 65Kg 65Kw 65N 65Np 65Np2 65Np3 65Np4 65Np5 65Np7 65Np8 65Nr2 65Nr3 65Nr6 65Nm 65Ns 72E 72Eg 72Ek 73A 73Ad 73Ad2 73C 76B 76Ba 76C 76D 76Da 80B 80Bc**
- 199) Satyrus (s.str.(s.str.)) favonius Staudinger,[1892]** (Satyridae) Synonym(s): *favonius* Staudinger,[1892] Original Reference: *Satyrus favonius* Staudinger,[1892], Dt. ent. Z., Iris 4: 239, pl.3 fig.1. Syntypes: [Türkei]: Malatia, Hadjin [=Saimbeyli], Eibes [=Akbes]. Range (in code): **IR Ab Khy TS Lo Kd Sq Bne TR Cc IQ 01 04 07 08 12 13 24 25 27 30 31 33 36 42 44 46 49 51 53 58 62 63 65 73 76 01K 07A 07Ak 12B 13G 13Gw 25F 25Fb 30B 30Br 46F 46Ff 46Fj 46L 49F 49Fd 65D 65Dc 65Dç 65Dp 65G 65Gp 65F 65Fe 65Fj 65Fı 65Fp 65Fz 65K 65Kl 65N 65Nr4 65Nm 76D 76Da**
- 200) Satyrus (s.str.(s.str.)) parthicus Lederer,1869** (Satyridae) Synonym(s): *parthicus* Lederer,1869; *pimpla sensu* Wiltshire,1957 Original Reference: *Satyrus bryce* var. *parthica* Lederer,1869, Horae Soc. ent. ross. 6: 83-84, Taf. iv figs. 12,13. Syntypes ♂♂: [Iran]: Persien: Astrabad. Range (in code): **IR Elb Th Ab Ak TR Cc Arr IQ 08 13 24 25 29 30 65 69 13G 13Gv 25F 25Fc 65Bx 65D 65Dp 65F 65Fs 65G 65Gd 65Ge**

## Moths

- 201) Nemophora eretna Kemal & Koçak,2006** (Adelidae) Synonym(s): *eretna* Kemal & Koçak,2006 Original Reference: *Nemophora eretna* Kemal & Koçak,2006, Cent. ent. Stud., Misc. Pap. 100: 3. Holotype ♂, recte ♀: Turkey, Van Prov., Çatak, Amata valley 1550m 1 7 2006 M.Kemal leg. (Cesa). Range (in code): **TR 65 65D 65DI**
- 202) Andala semiramis (Staudinger,1892)** (Arctiidae) Synonym(s): *semiramis* Staudinger,1892; *brandti* Daniel,1949 Original Reference: *Arctia* (Spilarctia) *semiramis* Staudinger,1892, Dt. ent. Z., Iris 4: 161. Type ♂: [Türkei]: Kleinasien: [Erzincan]: Egin [=Kemaliye]. Range (in code): **TR IR Lo Bk Ab Khy Oru Fa Sse Ke Ss Mz Th Qm Ak IQ PK 13 24 30 56 65 73 24E 30B 30Bx 30Bd 30Be 30Bh 30D 30Dt 56F 65D 65Dg 65Dx 65F 65Fe 65Fp 65Fz 73C 73Cd** Material studied: 1♂. Turkey Van Prov., Çatak Darboğaz 1950m (65Dg), 6 6 2004 M. Kemal & A.Koçak leg. (Cesa) (**Fig. 28**)



**Fig. 28** – *Andala semiramis*. Turkey, Van, Çatak Darboğaz 1950m, M. Kemal & A.Koçak (Cesa)

- 203) *Arctia (Epicallia) marchandi* De Freina,1983** (Arctiidae) Synonym(s): *marchandi* De Freina,1983. Original Reference: *Arctia villica* ssp. *marchandi* De Freina,1983, Mitt. münch. ent. Ges. 72: 112-114, fig. Holotype ♂: [Türkei]: Hakkari, Zab-Tal 20km östl. Hakkari 1300-1400m, leg. De Freina. Range (in code): TR IR By Mz Th Elb Kdj Es Ab Oru Ak Ar Km Qz Zj 12 30 49 65 73 12E 12Eb 30B 30Bf 30Bx 30Bd 30Be 30Bg 30C 65D 65Dh 65Dlc 65Ds 65Du 65N 65Np2 65Nm 73C 73A 73Ab 73Cd
- 204) *Arctia (Epicallia) villica* (Linnaeus,1758)** (Arctiidae) Synonym(s): *villica* Linnaeus,1758; *corsica* Oberthür,1911; *niceensis* Oberthür,1911; *brittanica* Oberthür,1911; *meridionalis* Heinrich,1923. Original Reference: *Phalaena villica* Linnaeus,1758, Syst. Nat. (Edn.10): 501. Syntypes: [Europa]. Range (in code): PT FR Co IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Rd TR LV LT RU Kg Ur Cb Sb MD UA Cm BY Cc GG AZ Kir Len AM IR LB Bsa IL Pa KK 01 03 04 05 06 07 10 13 14 15 16 17 19 21 22 23 26 27 29 31 32 33 34 36 37 39 42 44 46 48 55 56 60 61 62 64 66 71 75 80 03C 03Ca 05A 05G 06B 06R 06Ra 06Rk 07B 07C 10D 10N 13C 13F 14I 14Ib 15C 16A 17E 17H 17M 19G 21N 21Nb 23M 26G 27D 30B 30Bf 30Bd 30Be 30Bg 31K 31Ka3 31Ka5 31Ka7 31M 33A 33Aa 33E 33P 34B 34S 36D 36De 37P 39H 42B 42D 43M 44E 48L 55F 56F 56Fz 60C 61K 61Ka 62E 64B 65D 65Dlc 65Ds 73C 73A 73Ab 73Cd 75F 75Fe 80B 80Bb
- 205) *Diaphora mendica* (Linnaeus,1761)** (Arctiidae) Synonym(s): *#mendica* Clerck,1759; *mendica* Linnaeus,1761; *rustica* Hübner,[1791] Original Reference: *Phalaena mendica* Linnaeus,1761, Fauna Suecica (2): 299, nr.1127. Type(s): Suecia. Range (in code): PT ES FR Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Smt Tbl Bjo Lag Kir AZ Da Der IR Gh SY JO LB Bsa DK NO SE FI EE LV LT RU MD UA BY 05 06 07 08 10 12 16 24 31 33 35 36 44 46 49 50 51 54 56 60 65 05A 06K 07C 08H 10U 16A 31K 31Ka 31L 31C 33E 36F 49E 49Ea 49F 49Fb 50G 50Gc 51D 51Da 54C 56F 56Fi 60C 65D 65Dlc 65Ds 65Dy 65F 65Fg 65Fr
- 206) *Euplagia quadripunctaria* (Poda,1761)** (Arctiidae) Synonym(s): *quadripunctaria* Poda,1761; *hera* Linnaeus,1767; *magna* Spuler,1910 nec Hol.,1897; *latefasciata* Bubacek,1915. Original Reference: *Phalaena quadripunctaria* Poda,1761, Insecta Mus. Graecensis: 89. Type(s): [Austria]: Graz. Range (in code): PT ES FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR LV LT RU Ur Vi Pt MD UA BY SY LB Bsa IR Ak Gh Mz Ar GlS Se Kh Cc AM Dar AZ Adz Kir GG Bjo Lag Mng Tbl TM Kp 01 05 06 07 08 09 13 14 16 21 25 29 31 33 34 35 36 41 45 46 48 51 52 53 56 58 60 62 65 75 78 05A 05E 06R 06Re 06Rd 07A 07B 07Bb 07O 08H 09K 09M 13G 13Gü 13Gw 14B 14Bb 14I 14Ib 16A 16C 16F 21N 21Nb 25F 25R 29D 29F 31M 34B 34S 35O 36C 36D 41F 46G 46Gf 48D 52H 56F 58I 60H 60Hb 62H 65D 65F 65Fm 75F 75Fa 78D 78Da
- 207) *Euplagia splendidior* (Tams,1922)** (Arctiidae) Synonym(s): *splendidior* Tams,1922; *tkatshukovi* Sheljuzhko,1935. Original Reference: *Callimorpha quadripunctaria* ssp. *splendidior* Tams,1922, Entomologist 55: 196-197. Holotype ♂: Iran: N.W. Persia: Harir. Range (in code): IR Ab Oru Kd Mrv Km Il By Es Lo Fa Shr Ma IQ TR Cc AM Ink AZ Nv 30 36 56 62 65 73 76 30B 30Ba 30Bf 30Bg 30Bh 30Br 30C 30Cd 30D 30Db 30Dp 30Dt 36C 36D 36Dd 56F 65D 65Dm 65F 65Fc 65Fp 65Fz 65K 65Kp 65L 65Lb 65N 65Np 65Nr4 65Nm 73A 73Ad 73D 73Dg
- 208) *Lacydes spectabilis* (Tauscher,1806)** (Arctiidae) Synonym(s): *spectabilis* Tauscher,1806; *intercissa* Freyer,1842. Original Reference: *Noctua spectabilis* Tauscher,1806, Mém. Soc. nat. Univ. imp. Moscou 1: 212 fig. Type(s): Russia. Range (in code): RU KG Ssn Uk T-S Sb TM AF Bd CN Ui Kml MN IR Th Dam Elb Mz GlS Kp Kh Fa Sse Ak Mz GlS Ma Se IQ TR Cc AM KK 03 06 13 23 24 25 26 30 38 42 46 50 51 56 58 65 68 70 71 73 03A 03Aa 06R 06Ra 06Y 13A 13Ab 13Ax 13C 13Cf 13G 13Gw 13Gü 23I 25A 25N 25Na 26K 30B 30Bg 30D 30Da 42B 46G 50G 51B 51Bc 56F 58G 58Gg 65A 65Ab 65B 65Bk 65D 65Da 65F 65Fe 65Fş 65K 65Ku 68B 70A 70Ac 71B 73C 73Cd 73Ce
- 209) *Ocnogyna (Somatrachia) anatolica* Witt,1980** (Arctiidae) Synonym(s): *anatolica* Witt,1980 Original Reference: *Ocnogyna anatolica* Witt,1980, Mitt. münch. ent. Ges. 69: 154-156,



Abb.52. Holotype ♂: Türkiye: [Tunceli]: Súdöstl. Erzincan, Pülümür, 1500m. Range (in code): TR 04 25 49 62 65 04G 25C 25Ca 25F 25Fb 49E 49Ea 62G 65D 65Dd 65Dg 65Di 65Dz 65F 65Fp 65Fz (Fig. 29)



**Fig. 29** - *Ocnogyna (Somatrichia) anatolica*. Turkey, Van Prov., Çatak Darboğaz 2000m, 6 6 2004, M. Kemal & A. Koçak (Cesa)

- 210) Paidia (s.str.) rica (Freyer,[1855])** (Arctiidae) Synonym(s): *murina* Hübner,1790 (preocc.); *rica* Freyer,[1855] Original Reference: *Lithosia rica* Freyer,[1855], Neuere Beitr. Schmett. 7: 73, Tab. 642 [for the validity of the name, see Koçak,1980, Commun. Fac. Sci. Univ. Ankara (Ser C3, Zool.) 24: 10]. Range (in code): AET DZ Sbd PT ES FR IT BE DE CH AT CZ SK HU GR Cr TR 08 30 44 56 65 73 08H 08Ha 30B 30Bx 30Bc1 44L 44Lc 56F 65D 65Dh 65Du 65Dv 73A 73Ad 73Ad2
- 211) Phragmatobia placida (Frivaldsky,1835)** (Arctiidae) Synonym(s): *placida* Frivaldsky,1835 Original Reference: *Euprepia placida* Frivaldsky,1835, Köslések a balkany vidékén tett termés. utazasrol. 2: 271, pl.7 f.5. Type(s): [Bulgaria]: Philippopolis. Range (in code): YU AL BG GR TR RU UA Cm Cc AM AZ Nv Ord AF TM LB Ale Bsa IQ IR Elb Th Kdj Mz Ak Tbz Kdv IL Pa 04 05 06 10 13 21 23 30 31 32 33 36 42 43 46 50 51 55 56 58 60 65 73 04I 05A 06R 06Rb 06Rk 13F 13G 13Gz 21N 21Nb 23M 30B 30Bd 30Bx 30Bg 30Bh 31M 36F 42B 42J 42X 42Xa 43M 46G 46Gf 50G 50Gc 51D 51De 55F 56F 58G 58Gi 60C 65D 65Ds 65F 65Fg 65Fp 65Fz 73C 73A 73Ab 73Cd
- 212) Brahmaea (s.str.) christophi Staudinger,1879** (Brahmaeidae) Synonym(s): *christophi* Staudinger,1879 Original Reference: *Brahmaea christophi* Staudinger,1879, Horae Soc. ent. ross. 14: 360. Syntypes: [Azerbaidjan]: Lenkoran. Range (in code): TR IR Elb Mz Glc Clu Th Kdv Gor Cc AZ Tlh Len 65 65D 65Dy
- 213) Choreutis muhabbet Koçak,2008** (Choreutidae) Synonym(s): *muhabbet* Koçak,2008 Original Reference: *Choreutis muhabbet* Koçak,2008, Cent. ent. Stud., Misc. Pap. 142: 6-7. Holotype ♂: Turkey: Van Prov. Çatak valley 1800m, (coll.Cesa); 2008, Cesa News 30: 17, fig.1 (Paratype). Range (in code): TR 13 65 13F 65D 65Dr 65Dx
- 214) Axia (Epicimelia) theresiae (Korb,1900)** (Cimeliidae) Synonym(s): *theresiae* Korb,1900 Original Reference: *Epicimelia theresiae* Korb,1900, Dt. ent. Z., Iris 12: 300-302. Syntypes: [Türkei]: Konia. Range (in code): TR Cc IR Ab Oru SY Hal IQ 06 13 24 29 30 36 42 44 49 50 58 65 70 73 76 06A 06Aa 06C 06Cb 06N 13G 13Gt 13Gw 13Gs 29F 30B 30Ba 30Be 30Bh 30Bj 30Bj1 30C 30Cb 30D 30Da 30Dt 36D 36Db 42R 44F 44Fa 49F 49Fb 58G 65D 65Dl 65Ds 65Dt 65F 65Fe 65Fp 65Fz 65Fm 70D 73C 73Cd 76A
- 215) Azygophleps regia (Staudinger,1892)** (Cossidae) Synonym(s): *regia* Staudinger,1892; *#regina* Wiltshire,1957 Original Reference: *Zeuzera* (?) *regia* Staudinger,1892, Dt. ent. Z., Iris 4: 253-254, Taf.iii fig.6. Syntypes: [Türkei]: Hadjin [=Saimbeyli] (J.J.Manissadjian leg.). Range (in code): Cc TR IQ IR PK 01 08 12 13 21 30 56 65 01K 08H 12A 13C 13Cf 30B 30Bh 30Bd 30Bx 56F 56Fa 65D
- 216) Cossus cossus (Linnaeus,1758)** (Cossidae) Synonym(s): *cossus* Linnaeus,1758; *unguiculatus* Fabricius,1794; *ligniperda* Fabricius,1794 Original Reference: *Phalaena cossus* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 504. Type(s): [Europa]. Range (in code): DZ PT ES FR Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU MK AL BG GR TR IQ Hjo Shq DK NO SE FI EE LV LT RU Ur Sb Am Daur MD UA BY Cc GG Tbl Bjo Mng Lag Kir Len Aj Akh Btm Sng Sok Abk AZ LB Bsa IR Elb Th Mz Glc Kh KG Uk CN Yu Mc KP KR JP MN 01 05 06 12 13 14 16 17 19 23 25 30 36 42 46 49 53 55 56 58 60 61 62 65 70 73 76 01K 05A 12A 12Aa 12E 13C 13Cf 13G 13Gü 13Gw 16A 19P 23G 23Ga 30B 30Ba 30Bl 30Be 30D 46G 49E 49Ea 56F 56Fq 56Fs 56F6 58G 60C 62E 65Bx 65D 65Dl 65Dlc 65G 65Ge 65K 65Kd 65Kg 70C 70Cf 73C 73Cd 73A 73Aa 76B

- 217) *Dyspessa salicicola* (Eversmann, 1848)** (Cossidae) Synonym(s): *salicicola* Eversmann, 1848  
Original Reference: Cossus salicicola Eversmann, 1848, Bull. Soc. imp. nat. Moscou 21 (3): 211-212. Type: Russia, Saratov: "in der Gegend von Wolsk". Range (in code): **RO MK BG GR TR Cc GG Tbl Akh Smt Kak Akk AM Eri UA Cm RU Ur Sr IR Mz GlS TM Kp Mrw KG CN Ui Kml Tbl Mng Kir Der Da AZ 04 06 10 17 22 33 36 39 65 76 04I 06R 06Ra 10D 36D 36F 65D 65Dg 65N 65Nr2 65Nm 76C**  
Material studied: 1♂. Turkey Van Prov., Çatak Darboğaz 2020m (65Dg), 8 6 2015 M. Kemal & A.Koçak leg. (Cesa) (**Fig. 30**).



**Fig. 30** – *Dyspessa salicicola*. Male from Van Prov., Çatak Darboğaz 2020m (65Dg), 8 6 2015 M. Kemal & A.Koçak

- 218) *Dyspessa* sp.1** Material studied: 1♂. Turkey Van Prov., Çatak 3km NNE (65Dh) 1500m, 21 6 2004 M. Kemal & A.Koçak leg. (Cesa) (**Fig. 31**).
- 219) *Dyspessa* sp.2** Material studied: 1♂. Turkey Van Prov., Çatak Darboğaz 2020m. (65Dg), 8 6 2015 M. Kemal & A.Koçak leg. (Cesa) (**Figs. 32, 33**).



**Fig. 31** – *Dyspessa* sp.1- Turkey Van, Çatak, 21 6 2004 M. Kemal & A.Koçak (Cesa)



**Fig. 32** – *Dyspessa* sp.2, at rest- Turkey Van, Çatak Darboğaz 2020m, 8 6 2015 M. Kemal & A.Koçak (Cesa)



**Fig. 33**– *Dyspessa* sp.2- Turkey Van, Çatak Darboğaz 2020m, 8 6 2015 M. Kemal & A.Koçak (Cesa)

**220) *Dyspessa ulula* (Borkhausen,1790)** (Cossidae) Synonym(s): *ulula* Borkhausen,1790; *hepialica* Borkhausen,1790; *hepialina* Hübner,1792; *marmorata* Rambur,1858; *fuscata* Staudinger,1892; *affinis* Rothschild,1917; *maroccana* Rothschild,1917; *pallida* Rothschild,1917 nec Roth.,1912. Original Reference: Phalaena *ulula* Borkhausen,1790, Naturg. Eur. Schmett. 3: 142. Type: Germany: Frankfurt. Range (in code): **PT ES FR IT DE CH AT PL CZ SK HU RO YU AL BG GR Rd Cr TR RU MD UA BY CY LB Bei IR Kd KG Ssn IQ Mkp GG Tbl Bjo Kir Kak Cc AZ 05 06 07 13 14 16 17 20 21 26 33 36 42 45 46 48 58 60 65 66 05A 06R 06Rb 06Rd 13A 13Ab 13Ax 16A 42B 48F 58N 65D 65Dh 65N 65Np2 65Nr2 65Nm** Material studied: 1♂. Turkey Van Prov., Çatak 3km NNE (65Dh) 1500m, 21 6 2004 M. Kemal & A.Koçak leg. (Cesa) (**Fig. 34**).





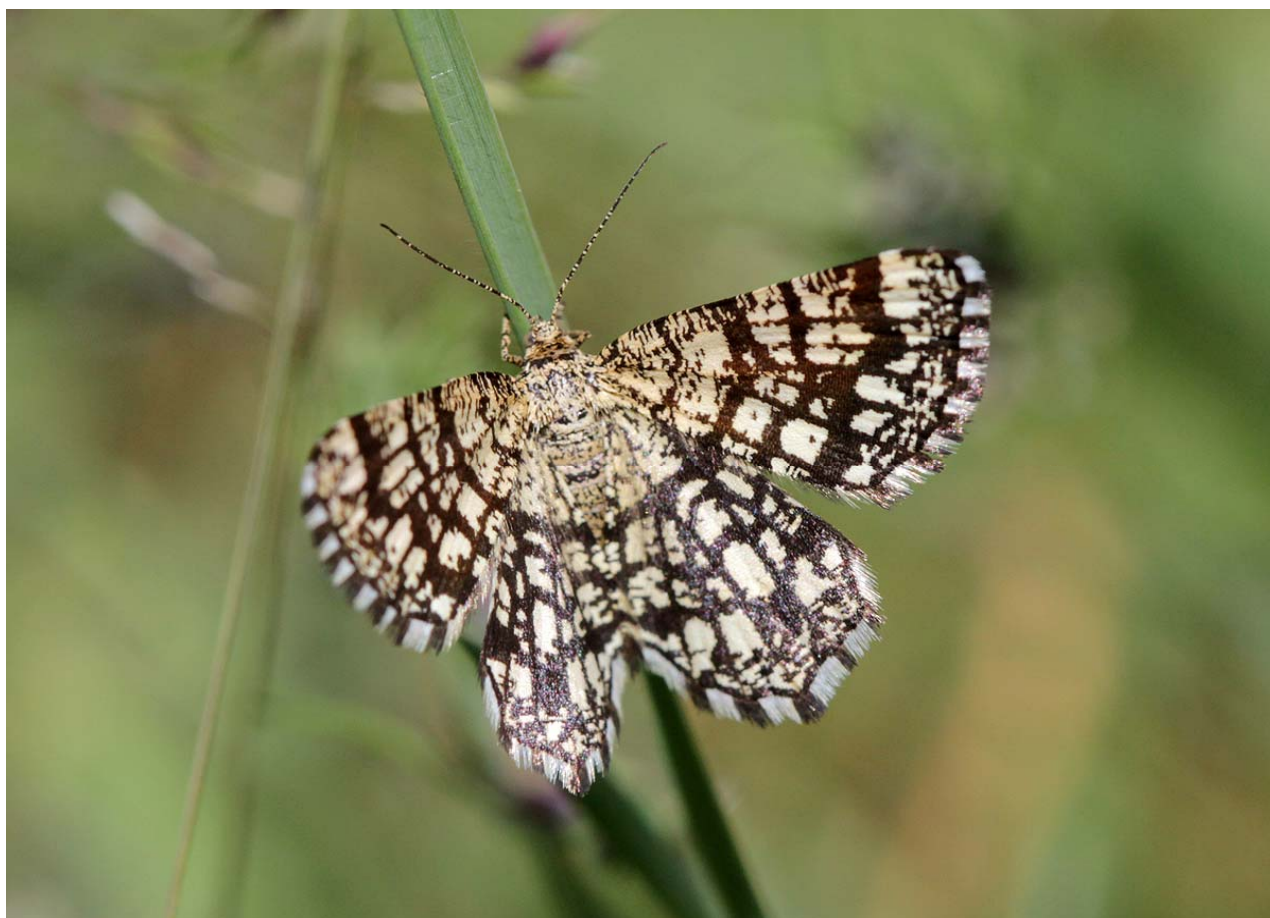
**Fig. 34** – *Dyspessa aff. ulula*. Turkey Van, Çatak, 21 6 2004 M. Kemal & A.Koçak (Cesa)

- 221) *Dyspessacossus fereidun* (Groum-Grshimailo,1895)** (Cossidae) **Synonym(s):** *fereidun* Groum-Grshimailo,1895; *firdusi* Wagner,1937. **Original Reference:** Cossus fereidun Groum-Grshimailo,1895, Horae Soc. ent. ross. 29: 291-292. Type ♂: [Iran]: "Persia septentr. (Demavend), leg. D.Glasunov. **Range (in code):** IR Elb Dam Th Cc AM IQ Ry Shq TR CN Ui 30 31 33 46 65 73 80 30B 30Bx 30Bc1 30Bd 30C 30Cd 30D 30Da 30Dp 30Dt 65D 73A 73Aa 80B 80Bb
- 222) *Zeuzera pyrina* (Linnaeus,1761)** (Cossidae) **Synonym(s):** *pyrina* Linnaeus,1761; *hypocastani* Poda,1761; *aesuli* Linnaeus,1767; *hilaris* Fourcroy,1785; *octopunctata* Boisduval,1832; *decipiens* Kirby,1892 **Original Reference:** Phalaena pyrina Linnaeus,1761, Fauna Suecica 2: 306. Type: Sweden. **Range (in code):** MA DZ Khh Anna LY EG PT ES FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR GG Bjo Tbl Lag Smg Smt Akh Abk Sok Aj Cc IQ DK NO SE EE LV LT RU MD UA BY IL Pa Hf LB Bsa IR Mz Us Vv CN US Ny TW LK KP KR JP IN 06 07 08 14 31 34 38 42 45 46 50 56 61 65 06R 06Ra 06Rb 08H 31M 34P 56F 65D 65Dlc
- 223) *Amata hakkariana* (De Freina,1982)** (Ctenuchidae) **Synonym(s):** *hakkariana* De Freina,1982 **Original Reference:** Syntomis hakkariana De Freina,1982, NachrBl. bayer. Ent. 31 (3): 54-57, Abb. 7-11. Holotype ♂: Kleinasien: Prov. Hakkari: Zab-Tal, 30km SW Hakkari, 1200-1300m, 4-13.6.81 (De Freina leg. & coll.). **Range (in code):** TR 30 65 73 30B 30Bc2 30Bx 30Bh 65D 65Dlc 65Dü 65Dn 73A 73Aa
- 224) *Dysauxes (s.str.) famula* (Freyer,1836)** (Ctenuchidae) **Synonym(s):** *famula* Freyer,1836; *hyalina* Freyer,1845; *ragusaria* Zickert,1904; *herthina* Stauder,1921; *burgeffi* Draudt,1931; *taurica* Draudt,1931; *pseudoservula* Naufock,1933; *pontica* Friese,1959; *sofiata* De Laever,1983; *lucana* De Laever,1983. **Original Reference:** Lithosia famula Freyer,1836, Neuere Beitr. 2: 143. Type(s): [Slovenien]: Fiume [Rijeka]. **Range (in code):** FR Co Si IT MT CH AT HU RO SS B-H HV MK YU AL BG GR Rd Cr TR Cc RU Us MN IQ Ry Rwz Kq IL Pa Hf IR Mz Gl Kh TM Kp Ch 01 04 06 07 08 10 11 12 13 14 16 17 21 23 25 30 31 33 34 36 38 42 44 45 46 50 56 59 60 65 71 73 76 01A 04A 06R 06Rb 06Re 07B 08H 10P 11E 12E 13G 13Gü 13Gw 21C 23I 25F 30B 30Bh 30Bd 30Bx 30Be 33F 33G 33O 33N 33P 36F 38H 38Hc 42D 44I 44Ic 44O 46D 46G 46Gf 46Gi 50G 56E 56Eb 56F 59D 60C 65D 65F 65Fi 65Fp 65Fz 65N 65Np2 65Nm 73C 73Ce 73D 73Db 76C
- 225) *Cilix asiatica* A.Bang-Haas,1907** (Drepanidae) **Synonym(s):** *asiatica* A.Bang-Haas,1907; *depalpata* Strand,1913 **Original Reference:** Cilix glaucata var. asiatica A.Bang-Haas,1907, Dt. ent. Z., Iris 20: 70. Syntypes: [Türkei]: "Klein-Asien: Syrien: Mardin, Amasia". **Range (in code):** GG Smt Akh Cc AM AZ Len UA Cm TR IL Hf Pa LB Bsa IR Elb IQ AF Srb Bsg 05 06 07 10 12 17 21 30 31 33 36 42 45 46 47 49 50 56 58 60 65 71 73 05A 06R 06Rb 07A 07C 17M 21N 21Nh 30B 30Bh 31K 31Ka 36D 36Db 49E 49Ea 56F 58N 60G 65D 65Ds 65F 65Fp 65Fz 65N 65Np6 65Nm 73C 73Cd
- 226) *Watsonalla binaria* (Hufnagel,1767)** (Drepanidae) **Synonym(s):** *binaria* Hufnagel,1767; *falcata* Fabricius,1775; *falculataria* Villers,1789; *falcatalis* Haworth,1802; *uncula* Hübner,[1802] **Original Reference:** Phalaena binaria Hufnagel,1767, Berl. Mag. 4: 516. Type: [Germany]: Berlin. **Range (in code):** DZ Sbd Agi Ges DhM TN ES FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR Cr TR Cc GG Lag IQ Brs LB Bsa DK SE FI LV LT RU MD UA BY 05 06 08 10 12 13 14 16 21 30 31 42 46 49 50 53 56 62 65 71 73 75 05A 06R 06Rb 06Re 12E 12Ec 13G 13Gg 16A 21N 21Nb 21Nh 30B 30Ba 30Bh 31K 31Ka 31Ka3 31Ka7 42B 49E 49Ea 49F 49Fb 56F 56Fo 56Fn 56F6 62E 65D 65Dl 65Dlc 65Ds 73Ac 73Ac2 73A 73Ad 73Ad2 73C 73Cd 75F 75Fd
- 227) *Ethmia amasina* (Staudinger,1879)** (Ethmiidae) **Synonym(s):** *amasina* Staudinger,1879 **Original Reference:** Psecadia amasina Staudinger,1879, Horae Soc. ent. ross. 15: 291-292.

- Syntypes ♂♀: [Türkei]: Amasia (Kerasdere), Lectotype ♂, designated by Sattler (1967: 108) (ZMHU). Range (in code): **TR SY Hal IQ Hjo Ry IR Elb Th Fa 01 05 06 13 46 65 05A 06R 13G 13Gg 65D**
- 228) *Ethmia similis* Sattler,1967** (Ethmiidae) Synonym(s): *similis* Sattler,1967 Original Reference: *Ethmia similis* Sattler,1967, Microlepid. Palaearc. 2: 101, figs. Holotype ♂: [Türkei]: Kleinasien: Mardin. Range (in code): **TR IR Ak Ab Cc 05 21 30 47 65 76 21L 21Lc 30B 65D 76B 76Bh**
- 229) *Ethmia tripunctella* (Staudinger,1879)** (Ethmiidae) Synonym(s): *tripunctella* Staudinger,1879 Original Reference: *Psecadia tripunctella* Staudinger,1879, Horae Soc. ent. ross. 15: 292-293. Lectotype ♂: [Türkei]: Amasia, designated by Sattler,1967: 131. Range (in code): **MK BG TR IQ Ry Hjo IR Km 05 44 46 65 71 05A 65D**
- 230) *Dirhinosisia arnoldiella* (Rebel,1905)** (Gelechiidae) Synonym(s): *arnoldiella* Rebel,1905 Original Reference: *Rhinosisia arnoldiella* Rebel,1905, Annln. naturh. Mus. 20: 212. Type: [Turkei; Kayseri Prov.]: Erdschias Gebiet, Penther leg. (NHMW). Range (in code): **TR IL Pa Hf GR Rd 06 38 46 65 06R 38G 65D 65Dl 65Dlc**
- 231) *Harpagidia magnetella* (Staudinger,[1871])** (Gelechiidae) Synonym(s): *magnetella* Staudinger,[1871]; *pallidibasella* Ragonot,1895; *melitophanes* Meyrick,1931 Original Reference: *Gelechia magnetella* Staudinger,[1871], Berl. ent. Z. 14: 310-311. Type: [Türkei]: "Magnesia" [Manisa Prov.] (coll.Lederer). Range (in code): **TR Cc AM IL Pa LB Bsa IR Elb IQ Dia 16 23 30 31 45 46 56 63 65 16A 23M 30B 30Bx 30Bc1 31M 56F 56Fb 63D 65D 65Dl 65Dlc**
- 232) *Isophrictis anthemidella* (Wocke,1871)** (Gelechiidae) Synonym(s): *anthemidella* Wocke,1871; *magna* Amsel,1935 Original Reference: *Cleodora anthemidella* Wocke,1871 [in] Staudinger & Wocke, Cat. Lepid. eur. Faunengeb. (Edn.2): 301. Range (in code): **PT ES FR Co Sa Si IT LU DE CH AT PL CZ SK HU RO YU BG GR TR LB Bsa IL Pa Cc DK SE FI EE LV LT RU Ur MD UA BY IR Gls 05 06 31 35 46 56 65 71 73 75 05A 31M 56F 56Fg 65D 65Dl 65N 65Nc 73A 73Ak 75F 75Fk**
- 233) *Alsophila hirsutaria* (Fabricius,1781)** (Geometridae) Synonym(s): *#aescularia* [Denis & Schiffermüller],1775; *hirtaria* Fabricius,[1776] *nec* Linn.,1761; *hirsutaria* Fabricius,1781; *murinaria* Borkhausen,1794. Original Reference: *hirsutaria* Fabricius,1781, Spec. Ins. 2: 508. Type(s): Europe [emend. *hirtaria* Fabricius,1776]. Range (in code): **PT ES FR Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG Cc GG AM TR DK NO SE EE LV LT RU MD UA BY TM Kp 06 65 65D 65Dlc 65L**
- 234) *Aplasta ononaria* (Fuessly,1783)** (Geometridae) Synonym(s): *ononaria* Fuessly,1783; *rubellata* Villers,1789; *rubicaprararia* Hübner,1793; *sudataria* Hübner,[1817]; *faecataria* Hübner,[1819]; *ononata* Bellier,1861 Original Reference: *Phalaena ononaria* Fuessly,1783, Arch. Insektengesch. 3: 1-2, pl.17 6 figs. 1-5. Syntypes: Schweiz. Range (in code): **PT ES Mu FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR CY IQ LB Bsa JO SY RU MD UA BY IL Pa He IR AM Cc 01 05 06 09 12 13 14 16 17 21 23 31 33 39 40 41 42 44 46 48 56 59 65 71 80 01H 01J 05A 12A 12Ab 12Ai 13G 13Gd 16A 21N 21Nb 33R 42B 44A 44Ab 56F 65D 65Dp 65F 65Fç 65Fo 65Fp 65Fç 65Fz 65Fg 65K 65Kç 65N 65Nd 65L 65Lb 65N 65Np6 65Np7 65Nr2 65Nr3 65Nm 80B 80Bc**
- 235) *Aplocera obsitaria* (Lederer,1853)** (Geometridae) Synonym(s): *obsitaria* Lederer,1853; *pseudopallidata* Bytinski-Salz & Brandt,1937 Original Reference: *Anaitis obsitaria* Lederer,1853, Verh. zool.- bot. Ver. Wien 3: 264-265. Syntypes 2♀: [Türkei]: Diarbekir. Range (in code): **TR Cc IQ IR Fa Shr Sse Th Elb Nss LB Bsa 04 05 21 25 42 44 46 47 58 62 65 76 05A 42B 44E 44Eh 46C 46G 46Gi 58N 65D 65Dd 65F 65Fm 65Fp 65G 65Gt 65N 65Np1 65Np2 65Nm**
- 236) *Camptogramma bilineatum* (Linnaeus,1758)** (Geometridae) Synonym(s): *bilineata* Linnaeus,1758; *brocatella* Fourcroy,1785; *dumetata* Schrank,1802; *bilineararia* Boisduval,1840; *musauria* Freyer,1846; *testaceolata* Staudinger,1871 Original Reference: *Phalaena* (Geometra) *bilineata* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 525. Type(s): "Habitat in Suecia". Range (in code): **MA TN DZ Orn Clo PT ES Mu FR Co Si IT MT IE GB Sc Sht BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd TR AZ IQ IR Ab Oru Msw Ak Jal Fa Sse Mz Gls Kh DK NO SE FI EE LV LT RU Ur At MD UA Cm BY AZ Kir Cc AM GG KG TM Kp IL Pa LB Bsa 01 05 06 10 13 14 16 17 18 21 22 23 28 30 33 34 35 36 38 39 42 44 45 46 48 52 56 57 59 60 65 73 80 01B 01D 01K 05A 06R 06Rb 06Rd 10K 10Ka 13A 13Ab 13Ax 13C 13Cç 13F 13G 13Gd 13Gg 16A 21L 21Lf 28N 30D 30Dx 31D 33G 33R 36D 36Db 44F 44Fb 44L 44Lc 44O 44Oi 48G 48D 52A 56F 56Fa 56Fc 56Fi 56Fn 56Fç 57E 60G 65B 65Bn 65Bn1 65D 65Dl 65Dlc 65Do 65Doa 65F 65Fd 65Fi 65Fz 65N 65Np 65Nm 73A 73Ad 73D 73Df 80B 80Bc**
- 237) *Catarhoe permixtaria* (Guenée,[1858])** (Geometridae) Synonym(s): *#permixtaria* Herrich-Schäffer,1851; *permixtaria* Guenée,[1858] Original Reference: *Melanippe permixtaria* Guenée,[1858], Spec. Gén. Lépid. 10(2): 404. Type(s): [Lebanon]: Beyrut. Range (in code): **IT RO YU MK BG GR TR LB AZ Nv Cc Kir Ord Tbl GG AM IR Gls TM Kp IL Pa Car Js JO 05 06 13 14 16 17 30 31 42 46 56 65 71 05A 13F 13G 13Gg 16A 30B 30Bd 30Bc1 30Bx 31M 42B 56F 65B 65Bo 65Bx 65D 65Dh 65F 65Fr 65Fm 65Fp 65Fz 65H 65Hg 65K 65Kl 65Kd 65Kg 65N 65Np8 65Nm**
- 238) *Chiasmia* (Godonela) sp.** (Geometridae) Synonym(s): Range (in code): **TR 65 65D 65Dy**
- 239) *Chiasmia clathrata* (Linnaeus,1758)** (Geometridae) Synonym(s): *clathrata* Linnaeus,1758; *almacola* Wehrli,1934. Original Reference: *Phalaena clathrata* Linnaeus,1758, Syst.



Nat. (Edn.10)1: 524. Type(s): Europa. Range (in code): MA DZ PT ES FR Co Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AZ AM DK NO SE FI EE LV LT RU MD UA BY CN Ui Ju Kun li KG Ssn Lps 05 06 10 13 14 16 18 21 22 30 31 33 34 36 42 46 49 50 56 65 71 75 80 81 05A 06R 06Rb 10K 10Ka 13Gö 13Gg 16A 18F 21N 21Nb 21Nc 21Nh 30B 30Bb 30Bk 31D 36D 36Db 49E 49Ea 49F 49Fb 56F 56Fg 65D 65Ds 65Dt 75F 75Fb 80B 80Bc (Fig. 35)



**Fig. 35** – *Chiasmia clathrata* at rest. Van Prov., Çatak Dalbastı 1600m 19 5 2012, M Kemal (Cesa)

- 240) Chlorissa asphaleia Wiltshire,1966** (Geometridae) Synonym(s): *asphaleia* Wiltshire,1966; *#esphaleia* Scoble,1999 [this incorrect spelling name was used by Scoble (1999: 139) as a valid name, as if it were a true species in the world]. Original Reference: Chlorissa asphaleia Wiltshire,1966, Z. Wien. ent. Ges. 51: 30-31, textfig.1, Taf.2 fig.3. Holotype ♂: Nordiran, Derbend, 2000m, 7-15.vi.1963. Range (in code): TR Cc IR Elb Th 36 65 36F 65D
- 241) Chloroclysta siterata (Hufnagel,1767)** (Geometridae) Synonym(s): *siterata* Hufnagel,1767; *psittacata* [Denis & Schifferrmüller],1775; *rubroviridata* Donovan,1810; *psittacaria* Boisduval,1840 Original Reference: Phalaena siterata Hufnagel,1767, Berl. Mag. 4: 522. Type(s): Deutschland: Berlin. Range (in code): MA PT ES FR Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AM AZ DK NO SE FI EE LV LT RU Ur MD UA Cm BY 14 33 46 56 65 75 56F 65D 75F 75Fb
- 242) Dyscia (s.str.) conspersaria ([Denis & Schifferrmüller],1775)** (Geometridae) Synonym(s): *conspersaria* [Denis & Schifferrmüller],1775; *cuniculina* Hübner,1790; *cunicularia* Esper,1803; *turturaria* Boisduval,1840; *#conspersana* Pugaev & Zolotuhin,2006 Original Reference: Geometra conspersaria [Denis & Schifferrmüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: Type(s): [Austria]: Vienna district. Neotype ♂ designated by Trusch & Erlacher (2002: 531) (ZFMK). Range (in code): ES FR IT AT CZ SK HU RO GR Rd TR Cc GG AM Eri AZ RU MD UA BY 01 05 06 14 16 17 18 22 25 31 34 35 36 39 42 46 50 51 58 60 65 70 75 05A 06R 06Rd 16A 31O 42B 65D 65Dh
- 243) Dyscia (s.str.) lentiscaria (Donzel,1837)** (Geometridae) Synonym(s): *lentiscaria* Donzel,1837; *agacles* Oberthür,1923 Original Reference: Crocallis lentiscaria Donzel,1837, Annls Soc. ent. Fr. 6: 13, pl.1 figs.1,2. Range (in code): DZ Ges PT ES Mu FR IT TR Cc AM 58 65 58N 65D 65Du
- 244) Enanthyperythra legataria (Herrich-Schäffer,[1852])** (Geometridae) Synonym(s): *legataria* Herrich-Schäffer,[1852] Original Reference: Hypoplectis legataria Herrich-Schäffer,[1852],



Syst. Bearb. Schmett. Eur. 6 (55): 71. Syntypes: [Europe?]. Range (in code): **MK GR? TR Cc AZ Nv Ord 05 06 14 16 32 44 56 65 05A 16A 44L 44Lc 56D 65D 65Dy**

**245) Eupithecia breviculata (Donzel,1837)** (Geometridae) Synonym(s): *breviculata* Donzel,1837; *anatolica* Schwingenschuss,1939; *georgica* Vojnits,1977. Original Reference: *Melanthia breviculata* Donzel,1837, Annl. Soc. ent. Fr. 6: 478, pl.18 fig.7. Type: France, Hyères. Range (in code): **MA DZ Onç TN PT ES FR Co Sa Si IT MT DE CH HU RO YU AL BG GR Cr Rd TR Cc AZ Lag Kir Len RU MD UA BY IL Pa CY JO IR Mz TM Kp Da 01 05 06 10 14 16 17 21 31 35 36 39 42 46 56 65 71 80 01D 01G 01H 01J 05A 06R 10K 10Ka 16A 21N 21Nb 21Nc 21Nh 31M 36D 36Db 42B 56F 65D 65Dg 65F 65Fg 80B 80Bc**

**246) Eupithecia graciosata Herrich-Schäffer,1861** (Geometridae) Synonym(s): *graciosata* Herrich-Schäffer,1861; *subseparata* Christoph,1885 Original Reference: *Eupithecia graciosata* Herrich-Schäffer,1861, Neue Schmett. 3: 27, fig.135. Type(s): Patria incognita. Range (in code): **MA DZ TN PT ES FR Sa Si IT PL RO YU AL BG GR TR IQ LB Bsa Cc GG AZ IR 16 25 31 45 56 58 65 16A 56F 58N 65D 65F 65Fd 65Fr**

**247) Eupithecia oblongata (Thunberg,1784)** (Geometridae) Synonym(s): *#centaureata* [Denis & Schiffermüller],1775; *oblongata* Thunberg,1784; *boloniensis* Fourcroy,1875; *centralisata* Staudinger,1892; *chinae* Vojnits,1977. Original Reference: *Geometra oblongata* Thunberg,1784, Diss. ent. sistens Insecta Suecica 1: 14. Lectotype ♂ (UZIÜ). Range (in code): **MA DZ Ges TN PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR Cc GG Tbl Kir Lag AM AZ DK NO SE FI EE LV LT RU Da Us MD UA BY KG Ssn Tk CN Ui Ku Stg Kwa IL Pa Car Jf LB Bsa PK Ch IN Ld Gg KK Ax UZ Smk AF Nu Bd TW 01 05 06 14 16 17 34 42 46 55 56 58 65 71 01D 05A 06K 06Kc 16A 34H 36D 36Db 42B 42J 42X 42Xa 55F 56F 56Fv 58N 65D 65Dg 65F 65Fç 65Fz 65L 65Lb 65N 65Np1 65Np6 65Nm**

**248) Eupithecia venosata (Fabricius,1787)** (Geometridae) Synonym(s): *venosata* Fabricius,1787; *insignata* Hübner,1789; *decussata* Donovan,1799; *comparanda* Vojnits,1981 Original Reference: *Phalaena venosata* Fabricius,1787, Mant. Ins. 2: 209, nr.205. Type(s): Austria: [Wien]. Range (in code): **MA PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Bjo Mng Lag AZ DK NO SE FI EE LV LT RU Sb MD UA BY PK Swa Klm Sha Ch AF Nu 05 16 21 61 65 05A 16A 21L 21Lc 61K 65D 65Dy 65F 65Fr**

**249) Heliomata glarearia (Brahm,1791)** (Geometridae) Synonym(s): *#glarearia* [Denis & Schiffermüller],1775; *glarearia* Brahm,1791. Original Reference: *Phalaena glarearia* Brahm,1791, Ins. Kal. 2 (1): 320, nr.205. Range (in code): **FR Si IT DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AZ AM IR Gl RU MD UA BY CN Ui Ku 01 05 06 13 14 16 29 30 36 37 39 43 49 56 60 65 71 75 76 01L 05A 06R 06Rd 13Gö 13Gg 16A 30D 30Dx 36D 36Db 37F 49F 49Fb 56F 56Fw 60H 60Hb 65D 65Dd 65Dda 65Dg 65Dl 65Dr 65Dn 65Ds 65Du 65F 65Fç 65Fr 65Fp 65Fz 75F 75Fd 76B 76Bj 76D 76Dd**

**250) Gnophos (Dicrognophos) gorgatus Brandt,1938** (Geometridae) Synonym(s): *gorgata* Brandt,1938 Original Reference: *Gnophos gorgata* Brandt,1938, Ent. Rdsch. 55: 617-620, figs. 404-408. Syntypes: Iran: [Fars]: Comée, Sine-Sefid. Range (in code): **TR IR Kd Fa Sse Com Kz 30 65 65D 65Dh (Fig. 36)**



**Fig. 36 – *Gnophos gorgatus*.** Upper and undersides. Turkey, Van Prov., Çatak 3km NNE 1500m 21 6 2004, M. Kemal & A. Koçak leg. (Cesa)

**251) Holoterpna pruinosa (Staudinger,1898)** (Geometridae) Synonym(s): *pruinosa* Staudinger,1898 Original Reference: *Eucrostis pruinosa* Staudinger,1898, Dt. ent. Z., Iris 10:

303. Lectotype ♂: [Israel]: Jerusalem (MNHU). Range (in code): IT TR SS MK LB Bsa IL Js Pa 14 35 65 65D

**252) *Idaea aversata* (Linnaeus,1758)** (Geometridae) Synonym(s): *aversata* Linnaeus,1758; *remutata* Linnaeus,1758; *lividata* Clerck,1759; *trilineata* Hufnagel,1767; *grisata* Fabricius,[1776]; *murinata* Fabricius,1794; *aversaria* Hübner,[1799]; *fuliginata* Haworth,1809; *latifasciaria* Heydenreich,1851. Original Reference: *Phalaena aversata* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 526. Type(s): Finlandia. Range (in code): DZ Hrh Dhm TN PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AM AZ DK NO SE FI EE LV LT RU MD UA BY JP 05 14 16 22 31 34 39 42 44 54 59 61 65 75 81 05A 16A 31C 31K 31Ka 31Ka5 42B 44I 44Ic 61K 61Ka 65D 75F 75Fb

**253) *Idaea dimidiata* (Hufnagel,1767)** (Geometridae) Synonym(s): *dimidiata* Hufnagel,1767; *scutulata* [Denis & Schiffermüller],1775; *antitaurica* Wehrli,1931 nec Wehrli,1931; *tauricola* Wehrli,1934. Original Reference: *Phalaena dimidiata* Hufnagel,1767, Berl. Mag. 4: 602. Type(s): Deutschland: Berlin. Range (in code): PT ES Mu FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc GG AZ AM IR Mz IL Pa LB Bsa TM DK NO SE FI EE LV LT RU MD UA Cm BY CA US 01 05 16 31 33 34 39 45 46 48 65 75 81 01B 01D 16A 31K 31M 33A 33Ac 48L 65D 65Dh 75F 75Fd

**254) *Idaea filicata* (Hübner,[1799])** (Geometridae) Synonym(s): *filicata* Hübner,[1799]; *filicaria* Duponchel,1830; *levequei* Leraut,2003 Original Reference: *Geometra filicata* Hübner,[1799], Samml. eur. Schmett. 5: pl.46, fig.238. Type: Europa. Range (in code): ES Mu FR Co Sa Si IT CH AT CZ SK HU RO YU AL BG GR Cr Rd TR IQ Rwz Agh IL Pa CY LB IR 01 05 14 16 17 21 22 31 33 34 42 44 45 46 48 56 58 59 60 61 65 71 80 01B 01D 01G 01H 05A 05G 16A 21L 21Lc 33A 33Ad 33G 44I 44Ic 44L 44Lc 48L 56F 58N 60H 60Hb 61K 65D 65Dh

**255) *Idaea trigeminata* (Haworth,[1809])** (Geometridae) Synonym(s): *trigeminata* Haworth,[1809]; *reversata* Treitschke,1828; *reversaria* Duponchel,1830. Original Reference: *Phalaena trigeminata* Haworth,[1809], Lepid. Br. (2): 354. Type: Britain. Range (in code): ES Co Sa Si IT GB BE NL DE CH AT CZ SK HU RO YU AL BG GR LB Bsa TR CY GG AZ SE RU MD UA Cm Cc AM IR GlS 01 05 07 13 14 16 17 31 33 34 46 61 65 80 81 01G 01J 01H 05A 13F 13F35 16A 31A 31Ab 31D 31F 31K 31Ka 31Ka5 31L 61K 65D 65F 65Fr

**256) *Isturgia hopfferaria* (Staudinger,1879)** (Geometridae) Synonym(s): *hopfferaria* Staudinger,1879 Original Reference: *Eubolia hopfferaria* Staudinger,1879, Horae Soc. ent. ross. 14: 458-460. Syntypes: [Türkei]: Amasia (Caraman) (Emil & Johann leg.). Range (in code): TR 05 06 13 14 25 30 38 42 50 65 71 05A 06K 06Kb 13A 30D 30Dp 38H 38Hc 65D 65Dg 65Ds 65K 65Ky 65Ky1

Material studied: 2♂. Turkey Van Prov., Çatak Darboğaz 2020m (65Dg), 8 6 2015 M. Kemal & A.Koçak leg. (Cesa) (Figs. 37, 38).



**Fig. 37 - *Isturgia hopfferaria*, male.** Turkey, Van, Çatak Darboğaz 2020m, 8 6 2015, M. Kemal & A.Koçak (Cesa)





**Fig. 38 -** *Isturgia hopfferaria*, male. Turkey, Van, Çatak Darboğaz 2020m, 8 6 2015, M. Kemal (Cesa)

- 257) *Larerannis marginaria* (Fabricius,1777)** (Geometridae) Synonym(s): *marginaria* Fabricius,1777; *testacea* Retzius,1783; *testacearia* Villers,1789; *progemmaria* Hübner,[1799]; *capreolaria* Esper,1801 nec [Den. & Schiff.],1775; *luctuaria* Haworth,1809; *connectaria* Haworth,1809; *stictaria* Haworth,1809  
Original Reference: *Phalaena marginaria* Fabricius,1777, *Genera Ins.*: 286. Type(s): Hamburg.  
Range (in code): PT ES FR Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG TR Cc GG DK NO SE FI EE LV LT RU MD UA BY 06 22 34 65 75 81 75F 75Fb 65D 65Dlc
- 258) *Neognopharmia stevenaria* (Boisduval,1840)** (Geometridae) Synonym(s): *stevenaria* Boisduval,1840; *lapidisaria* Freyer,1841 Original Reference: *Halia stevenaria* Boisduval,1840, *Gen. Index Eur. Lepid.*: 187. Range (in code): PT ES Mu FR IT RO YU MK AL BG GR Cr TR AZ Cc AM GG IQ IR Fa Sse Com Kz RU Sr IL Pa Car Hf LB Bsa CY 01 05 06 08 13 14 16 17 21 30 31 36 42 44 46 56 61 65 01B 01H 05A 08H 08Ha 13G 13Gw 13Gs 13Gy 16A 21N 21Nc 30B 30Bd 30Bc1 30Bx 30D 30Dx 36D 36Db 42B 44I 44Ic 46G 46Gf 56F 56Fn 61K 65D 65Dl 65Dlc 65F 65Fp 65Fz
- 259) *Nychiodes* (Fritzwagneria) *rayatica* Wiltshire,1957** (Geometridae) Synonym(s): *rayatica* Wiltshire,1957 Original Reference: *Nychiodes rayatica* Wiltshire,1957, *Lepidoptera of Iraq*: 111-112, pl.iii fig.10, text-fig.6. Holotype ♂: Iraq: Rayat, Haj Omran (coll. Wiltshire). Range (in code): AM Cc IQ Ry Hjo Er IR TR 65 65D
- 260) *Orthonama obstipata* (Fabricius,1794)** (Geometridae) Synonym(s): *obstipata* Fabricius,1794; *fluviata* Hübner,[1799]; *gemmata* Hübner,1799; *albicinctata* Haworth,1809; *angustata* Haworth,1809; *quaerendaria* Costa,1850; *baccata* Guenée,[1858]; *lapillata* Guenée,[1858]; *contrariata* Walker,1862; *exagitata* Walker,1862; *intrusata* Walker,1862; *peracutata* Walker,1862; *signataria* Walker,1863; *obruptata* Walker,1863; *pigrata* Walker,1866; *plemyrata* R.Felder & Rogenhofer,1875; *inconspicua* Warren,1896; *brunneipennis* Hulst,1896; *discata* Warren,1905 Original Reference: *Phalaena obstipata* Fabricius,1794, *Ent. Syst.* 3 (1): 199. Type: Barbaria. Range (in code): PT ES Mu FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd TR IQ Agh GG AM Cc AZ IR Sse Fa AF DK NO SE FI EE LV RU Ur Sb Am Sh MD UA Cm BY KG KK UZ TJ TM CN MN KP KR JP ZA ZA10 ZA12 Kzu Nta IL Pa Jf Mtl LB Bsa MY Bor Sbh KBa Kh CY PK Swa Dara Sgl Yek YE Tbl Mng Kir Lag Hkd ZR EG ET KE TZ MA DZ Ges Bsk Nbr Gf TN 01 05 06 07 13 14 16 17 22 31 33 34 42 46 56 65 71 80 01J 05A 13A 13Ab 13Ax 16A 31K 31Ka 31Ka3 33G 56F 56Fb 65D 65Dt 65F 65Fp 65Fz 80B 80Bc
- 261) *Oulobophora externaria* (Herrich-Schäffer,[1848])** (Geometridae) Synonym(s): *#externata* Herrich-Schäffer,1843; *externaria* Herrich-Schäffer,[1848] Original Reference: *Lobophora externaria* Herrich-Schäffer,[1848], *Syst. Bearb. Eur. Schmett.* 3: 180. Type ♀: [Turkey: Istanbul

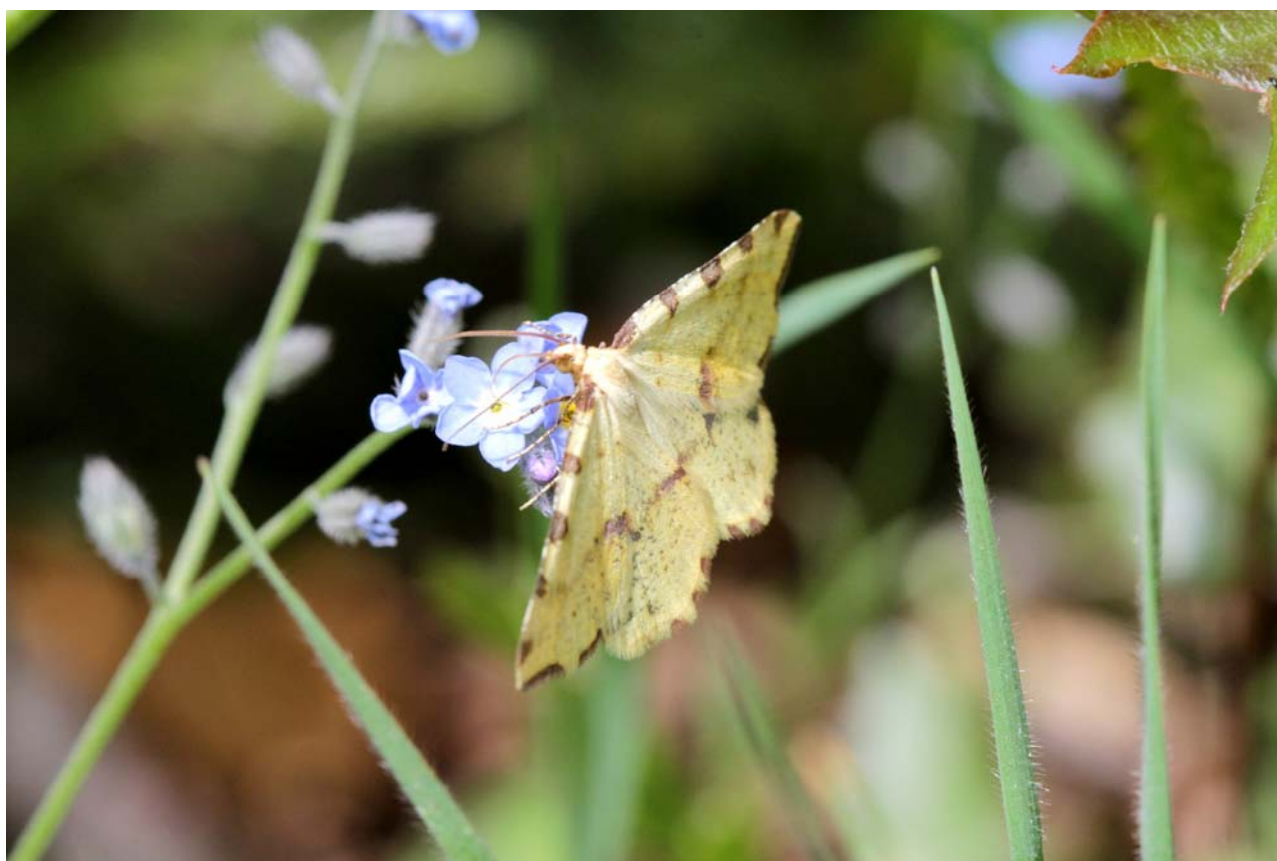


Prov.]: "Constantinopel". Range (in code): GR BG CY TR IQ IR Fa Sse IL Pa 05 16 21 31 32 33 34 35 42 46 56 65 73 05A 16A 21N 21Nh 31K 31Ka 31M 42B 46G 46Gf 56A 56F 65D 65Dy 73A 73Aç 73Aç2 73Ae 73Ak

**262) Peribatodes umbrarius (Hübner,[1809])** (Geometridae) Synonym(s): *umbraria* Hübner,[1809]; *vaucheri* Thierry-Mieg,1916 Original Reference: *Geometra umbraria* Hübner,[1809], Samml. eur. Schmett. 5: pl.65, fig.340. Type: Europa. Range (in code): MA DZ PT ES Mu FR Co Sa Si IT CH SK HU RO YU AL BG GR Cr TR IQ Brs IR Mz Gls Kh Fa Sse RU MD UA BY IL Pa Js LB Bsa CY 05 12 14 31 42 44 45 46 56 65 71 05A 12A 12Ac 42B 44Ic 46G 46Gf 46Gi 56F 65D 65Dh

**263) Phaiogramma etruscaria (Zeller,1849)** (Geometridae) Synonym(s): *etruscaria* Zeller,1849; *pulmentaria* Guenée,[1858]; *palaestinensis* Fuchs,1903. Original Reference: *Geometra etruscaria* Zeller,1849, Stettin ent. Ztg. 10 (7): 203. Syntypes 1♂ 3♀: [Italia]: Tuscany (BMNH). Range (in code): DZ Clo Anna Bsk TN Gf PT ES Mu FR Co Sa Si IT MT BE CH AT PL CZ SK RO YU AL BG GR Cr Rd TR IQ RU CY SY IR Kd Elb Th Fa Sse Com Kz AZ AM GG Smt Bjo Lag Kir Nv Ord Da Der Cc LB Bsa IL Pa Jf Mtl CN Ui li 01 05 14 16 17 21 28 31 32 33 39 42 44 46 56 61 65 76 80 01B 01D 01G 01J 05A 16A 21L 21Lc 28N 31K 31Ka 42B 44I 44Ic 44L 44Lc 46G 46Gf 56F 61K 65D 65Dg 65F 65Fg 76A 76Ac 80B 80Bc

**264) Pseudopanthera syriacata (Guenée,1858)** (Geometridae) Synonym(s): *syriacata* Guenée,1858; *#syriacaria* Wiltshire,1958 Original Reference: *Venilia syriacata* Guenée,1858, [in] Boisduval & Guenée, Hist. nat. Insectes (Spec. gén. Lépid.) 9: 113, pl. 21 fig.2. Type ♂: [Lebanon]: "Beyrouth" (coll. Lederer). Range (in code): TR LB Bsa Bei IL Pa Car Js IQ Dia Ry Rwz Brs 01 13 21 30 31 33 44 46 47 56 65 73 80 01G 01J 13G 13Gö 13Gğ 21N 21Nb 21Nc 30B 30Bd 30Bx 31K 31Ka 31Ka1 31M 46G 46Gf 46Gi 56F 65D 65Dl 65Dlc 65Dj 65Dr 65Drb 65Dt 65Du 65Dy 73A 73Aç 73Aç2 73E 73Eb 80B 80Bc (Fig. 39)



**Fig. 39** – *Pseudopanthera syriacata*, feeding on the flowers of *Myosotis* or *Lappula* (Boraginaceae) Turkey, Van Prov., Çatak Dalbastı 1600m 19 5 2012, M Kemal (Cesa)

**265) Rhodostrophia (Asiatrophia) auctata (Staudinger,1879)** (Geometridae) Synonym(s): *auctata* Staudinger,1879 Original Reference: *Pellonia auctata* Staudinger,1879, Horae Soc. ent. ross. 14: 441-443. Syntypes ♂♂: [Türkei]: Amasia (Maidan). Range (in code): TR Cc Arr Ksp IQ IR Fa Com Kz 01 05 06 12 13 24 25 29 38 42 43 44 46 49 50 51 56 57 58 61 62 65 69 70 71 76 01D 05A 06R 06Rd 12A 12Ab 13A 13Ab 13Ax 25N 25Na 44E 44Eb 44I 44Ic 44L 44Lc 46G 46Gi 50F 50Fb 51D 51Db 56F 56Fs 58N 61K 65Bx 65D 65F 65Fg 65Fi 65Fq 65Fz 65G 65Ge 65K 65Kl 65N 65Np 65Np2 65Np4 65Np8 65Nr2 65Nr4 65Nm

- 266) Rhodostrophia (Pydna) badiaria (Freyer,[1841])** (Geometridae) Synonym(s): *badiaria* Freyer,[1841]; *telaria* Herrich-Schäffer,[1847]; *cervinaria* Herrich-Schäffer,[1847]; *praecanaria* Eversmann,1847; *pollenaria* Freyer,1854. Original Reference: *Fidonia badiaria* Freyer,[1841], Neuere Beitr. Schmett. 4: 115, Taf.354 fig.2. Type(s): [Russland]: Sarepta. Range (in code): **MK RU Sr UA TR Cc AM Da IR Elb IQ 05 06 13 14 21 25 29 30 36 38 40 42 44 46 50 51 56 58 65 71 05A 06R 06Rb 13A 13Ab 13Ax 14F 14Fb 14G 14Gc 21N 21Nh 36F 40E 40Ea 42B 46B 56F 56Fn 58N 58M 65D 65Dh 65Dr 65Drb 65Ds 65G 65Gf 65Gt 65M 65Md 65N 65Np 65Np1 65Np2 65Nr7 65Nm 71C**
- 267) Rhodostrophia (s.str.) discopunctata Amsel,1935** (Geometridae) Synonym(s): *tabidaria* auct. nec Zell.,1847; *discopunctata* Amsel,1935 Original Reference: *Rhodostrophia discopunctata* Amsel,1935, Veröff. Dt. Kolon. u. Übersee-Mus. Bremen 1 (2): 243. Lectotype ♂: Israel: Kiriath Anavim nr. Jerusalem (coll. Püngeler, MNHU). Range (in code): **RO YU AL MK BG GR IL Pa Car Js Mer LB Bei Bsa JO TR Cc GG AM IQ 05 06 13 14 16 17 18 21 28 29 31 33 36 38 42 44 46 49 50 56 58 60 65 70 72 80 81 05A 13G 13Gz 14G 14Gb 16A 18F 21N 21Nh 28N 31K 31Ka 31Ka3 31Ka5 36D 36Db 42B 44L 44Lc 46G 46Gf 49F 49Ff 56F 56Fb 56F1 56Ft 58N 60G 65D 65Dd 65Dda 65Dl 65Dlc 65Dr 65Drb 65F 65Fd 65Fp 65Fz 65Fr 65N 65Np 65Np1 65Np2 65Nr6 65Nr7 65Nm 70C 70Ce 72E 72Ei 80B 80Bc 81E (Fig. 40)**



**Fig. 40** – *Rhodostrophia discopunctata*, at rest. Turkey, Van Prov., Çatak Darboğaz 2050m, 8 6 2015, M.Kemal (Cesa)

- 268) Rhodostrophia (s.str.) sieversi (Christoph,1882)** (Geometridae) Synonym(s): *sieversi* Christoph,1882 Original Reference: *Aspilates sieversi* Christoph,1882, Horae Soc. ent. ross. 17: 115. Syntypes ♂♀: [Azerbaidzhan: Nachtchivan]: Ordoubad. Range (in code): **TR Cc AZ Nv Ord IQ IR Ab Jal Elb Mz 06 30 44 46 65 71 76 65D 65Dd 65Dda 65Dc 65Dg 65Ds 65F 65Fp 65Fz 65N 65Nr3 65Nm 76D 76Dd**
- 269) Scopula decorata ([Denis & Schiffermüller],1775)** (Geometridae) Synonym(s): *decorata* [Denis & Schiffermüller],1775; *cinerata* Fabricius,1781; *violata* Thunberg,1784; *caerulata* Gmelin,1790; *decoraria* Hübner,[1799]; *ornataria* Esper,[1806]. Original Reference: *Geometra decorata* [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 117. Type(s): [Austria]: Vienna district. Range (in code): **MA DZ Ges TN PT ES Mu FR Co Sa Si IT BE NL DE CH AT PL CZ SK HU RO YU AL BG GR TR GG Cc AZ Arr Ksp IR Elb Mz DK SE FI EE LV LT RU MD UA BY CN MN KK KG 03 05 06 13 14 16 29 30 38 39 42 43 44 45 46 51 58 60 61 65 71 76 80 05A 06B 06R 06Rb 13B 13Bg 13Gw 16A 38H 38Hc 42B 44L 44Lc 58N 58M 60G 61K 65B 65Bo 65Bx 65D 65Dh 65F 65Fp 65Fr 65Fz 65K 65Kb 65N 65Np 65Np2 65Nm (Fig. 41)**





**Fig. 41** – *Scopula decorata*. Turkey, Van Prov., Çatak Darboğaz 2000m, 6 6 2004, M. Kemal & A. Koçak (Cesa)

**270) Scopula immistaria (Herrich-Schäffer,[1852])** (Geometridae) **Synonym(s):** #elisabetharia Heydenreich,1851; immistaria Herrich-Schäffer,[1852] **Original Reference:** Acidalia immistaria Herrich-Schäffer,[1852], Syst. Bearb. Schmett. Eur. 6: 68. Type(s): [Aserbaidjan]: Elisabethpol [=Kirovabad]. **Range (in code):** BG Vrn TR Cc AZ Kir GG Ksp IQ IR Fa Sse Com Ke Kz TM RU UA 06 08 13 23 24 25 30 46 47 56 58 65 72 76 08H 13A 13Ab 13Ax 13B 13G 13Gf 46G 47D 56F 56F5 56Fg 56Fm 56Fq 56Fo 56Fs 56Fv 56Fw 56Fx 56F1 58N 65B 65Bo 65Bx 65D 65Dg 65Dh 65F 65Fm 65K 65Kb 65Kl 65N 65Nr7 65Nm 72E 72Eh

**271) Scopula marginepunctata (Goeze,1781)** (Geometridae) **Synonym(s):** marginepunctata Goeze,1781; conjugata Borkhausen,1794; aniculosata Rambur,1829; puellaria Boisduval,1840; mutaria Heydenreich,1851; promutata Guenée,[1858]; promutaria Morris,1861; apertaria Walker,[1863]; madoniata Fuchs,1901; pastoraria Joannis,1891; #marginipunctata Rothschild,1914 **Original Reference:** Phalaena marginepunctata Goeze,1781, Ent. Beytr. 3(3): 385. **Range (in code):** MA DZ Ges TN PT ES Mu FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR Cc AM GG AZ Nv Arr IQ IR Ab Oru Elb Th Fa DK SE LV LT RU Da MD UA Cm BY CN Ui Ku Ju LB Bsa IL Pa Jf MN 01 05 06 13 14 16 17 21 22 24 34 35 38 39 42 46 56 58 59 60 61 65 71 76 80 81 01D 01G 01H 05A 05G 06D 13B 13Ba 16A 21N 21Nh 42B 56F 56Fg 58N 60H 60Hb 61K 61Ka 65D 65Dg 65F 65Fm 65Fr 65Fp 65Fz 65L 65Lb 65N 65Np 65Np1 65Nm (Fig. 42)



**Fig. 42** – *Scopula marginepunctata*, at rest. Turkey, Van, Çatak Darboğaz 2020m, 8 6 2015, M. Kemal (Cesa)

- 272) *Scotopteryx vicinaria* (Duponchel,1830)** (Geometridae) **Synonym(s):** *vicinaria* Duponchel,1830; *zumsteinaria* Harpe,1862; *illyriacaria* Schawerda,1919; *roesleri* Vojnits,1973 **Original Reference:** *Eubolia vicinaria* Duponchel,1830, [in] Godart & Duponchel, Hist. nat. lépid. Papillons Fr. 8 81): 188, pl.182 fig.4. Syntypes ♀♀: France, Digne. **Range (in code):** **FR IT CH RO YU HV BG Sof GR TR Cc GG AZ AM MD UA BY LB IR Elb Th KG Ssn 05 06 13 31 37 46 56 65 05A 06R 06Rb 13G 13Gö 13Gğ 13Gü 13Gs 13Gw 46G 46Gi 56F 65D 65F 65Fp 65Fz**
- 273) *Thalera fimbrialis* (Scopoli,1763)** (Geometridae) **Synonym(s):** *fimbrialis* Scopoli,1763; *thymiaria* Linnaeus,1767; *bupleuraria* [Denis & Schiffermüller]1,775; *albaria* Esper,[1801]; *magnata* Fuchs,1903 **Original Reference:** *Phalaena fimbrialis* Scopoli,1763, Entomologia Carniolica: 216. Type(s): [Slovenien]: Carniolia [Krain]. **Range (in code):** **PT ES FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR AZ AM GG Lag Kir Hkd Cc DK NO SE FI EE LV LT RU MD UA BY KK Ik Ax CN Ui Kun Au IR Elb Th Fa Com Kz 05 13 16 17 22 30 31 33 34 41 42 46 51 56 58 62 65 75 81 05A 13A 13Ab 13Ax 13D 13G 13Gy 16A 31K 31Ka 31Ka5 42B 56F 58N 65B 65Bo 65Bx 65D 65Dç 65Dç1 65F 65Fb 65Fd 65Fg 65Fz 65N 65Nr2 65Nm**
- 274) *Thetidia persica* Hausmann,1996** (Geometridae) **Synonym(s):** *persica* Hausmann,1996 **Original Reference:** *Thetidia* (Antonechloris) *persica* Hausmann,1996, Nota lepid. 19 (1/2): 27-29, figs. Holotype ♀: Iran: Elburs mts.c.s., Tacht i Suleiman, Sardab Tal (Vandarbad), 2500-2700m, leg. Pfeiffer & Forster (ZSM). **Range (in code):** **IR Elb Mz Ak Ab TR 13 30 46 58 65 13A 13Ab 13Ax 13G 13Gü 13Gw 30B 30Bd 30Bc1 30Bx 65B 65Bo 65Bx 65D 65Dh 65F 65Fg 65Fp 65Fz 65N 65Np 65Nm -**  
**Material studied:** 1♂. Turkey Van Prov., Çatak 3km NNE (65Dh) 1500m, 21 6 2004 M. Kemal & A.Koçak leg. (Cesa) (**Fig. 43**).



**Fig. 43** – *Thetidia persica*. Male from Turkey Van Prov., Çatak 21 6 2004, M.Kemal & A Koçak (Cesa)

- 275) *Thetidia smaragdaria* (Fabricius,1787)** (Geometridae) **Synonym(s):** *smaragdaria* Fabricius,1787 **Original Reference:** *Phalaena smaragdaria* Fabricius,1787, Mant. Ins. 2: 192, nr.67. Type (s): Austria. **Range (in code):** **ES FR Si IT GB BE LU DE CH AT PL CZ SK HU RO YU AL BG GR TR GG Smt Bjo Lag AZ AM Cc IR NO FI EE LV LT RU MD UA BY KK Ax Ik CN Ui Ku Ju Tlk 05 06 16 36 42 65 71 05A 16A 36D 36Db 42B 65D 65Dl 65Dlc**
- 276) *Lasiocampa eversmanni* (Kindermann,1843)** (Lasiocampidae) **Synonym(s):** *eversmanni* Kindermann,1843; *eversmanni* Freyer,1844; *attrita* Stshetkin,1960. **Original Reference:** *Gastropacha eversmanni* Kindermann,1843, [in] Eversmann, Bull. Mosc. 1843 (3): 542, Pl.10 figs. 2a-c. **Range (in code):** **BG TR AF Srb Sfk IR Mz Kh TM Kp UZ TJ KK Ik KG TrA Aa DsA Tar IQ Brs Dia Ry Rwz GG AZ Kir Tbl Bak AM Cc 01 04 06 07 13 19 21 23 25 30 36 44 46 50 56 58 62 63 65 70 71 73 01L 01La 04D 04Da 06D 06Da 06N 06Nc 06R 07C 13A 13Ab 13Ax 13C 13Cf 13F 19P 21N 21Nb 23I 30B 30Bh 30Bg 30D 30Dh 44I 44Ic 56A 56Aa 56F 58N 63M 65B 65Bn 65Bn1 65D 65Dt 65F 65F1 65Fş 65Fp 65Fz 65G 65Ge 65Gc 65K 65Kd 65Kg 65Ku 65N 65Nc 65Np 65Np2 65Np7 65Np8 65Nm 73D 73Db**
- 277) *Malacosoma castrensis* (Linnaeus,1758)** (Lasiocampidae) **Synonym(s):** *castrensis* Linnaeus,1758; *ksiezopolskii* Sheljuzhko,1943 **Original Reference:** *Phalaena Bombyx castrensis* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 500. Syntypes: Habitat in Salicibus, Pilosella, Jacea, Alchemilla, Euphorbia. **Range (in code):** **PT ES FR Co IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU MD UA Cm BY LB Bsa KK Ik UZ TJ KK KG TrA DsA KuA TeA Ik Ssn Lps Tar GG Mng Bjo Smt Lag Kir AZ AM Cc TM Kp IR AF MN CN Ti 04 05 06 12 13 14 16 23**



- 24 25 30 33 35 36 38 42 44 53 56 58 60 65 71 76 04I 05A 06A 06Aa 06R 06Rb 06Re 13A 13Ab 13Ac 13Ae 13Ax 13F 13G 13Gd 13Gi 13Gy 16A 23I 25C 25Ca 25F 25T 30B 30Ba 30Bl 30D 30Da 36D 36F 42R 44L 44Lc 49E 49Ea 56F 60C 65B 65Bn 65Bn1 65Bo 65Bx 65D 65Dl 65Dlc 65Dr 65Drb 65F 65Fe 65Fc 65Fe 65Fp 65Fz 65G 65Ge 65K 65Kd 65Kz 65Kg 65N 65Np 65Np1 65Np2 65Nr2 65Nm 76B 76Bf 76Bh 76C
- 278) Phyllodesma (s.str.) tremulifolium (Hübner,[1810])** (Lasiocampidae) Synonym(s): *betulifolium* Ochsenheimer,1810 nec Esp.,1782; *tremulifolium* Hübner,[1810]; *danieli* De Lajonquière,1963; *#tremulifolium* De Freina,1999 Original Reference: *Bombyx tremulifolia* Hübner,[1810], Samml. eur. Schmett., Bombyces 148, pl. 44 figs. 191, 192. Syntypes ♂♀: Deutschland. Range (in code): PT ES FR Si IT BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR Cc GG Smt Bjo Lag EE RU MD UA BY KK Ik CN Ui Li 01 05 06 07 10 12 13 24 25 30 31 32 33 36 42 46 49 56 58 60 62 64 65 71 01H 05A 05G 06R 06Re 07B 07C 12A 12Ac 12E 12Ea 12Ed 12A 13C 13Cf 13G 13Gg 13Gü 13Gs 13Gw 30B 30Bh 30D 30Da 31K 31Ka 31Ka3 32C 33A 33Ac 33G 36F 42R 49E 49Ea 56F 56Fs 58G 62E 65D 65Dm 65Ds 65F 65Fe 66P
- 279) Odites (Gozmaniola) kollarella (Costa,[1836])** (Lecithoceridae) Synonym(s): *kollarella* Costa,[1836]; *walkenaerana* Duponchel,1835; *luteella* Duponchel,1840; *flavedinella* Heydenreich,1851 Original Reference: *Tinea kollarella* Costa,[1836], Fauna Reg. Nap. Lepid.: [219]. Range (in code): PT ES FR Co IT HU GR TR Cc CY LB TM 05 16 65 71 05A 16A 65D 65Dlc
- 280) Euproctis melania (Staudinger,1892)** (Lymantriidae) Synonym(s): *melania* Staudinger,1892; *melaniodes* Strand,1910; *#melaina* De Freina,1999. Original Reference: *Porthesia melania* Staudinger,1892, Dt. ent. Z., Iris 4: 255-256. Syntypes: [Türkei]: Amasia, Malatia, Mardin. Range (in code): TR IQ IR Fa 05 12 13 30 44 46 47 56 62 65 05A 12A 12Aa 12E 12Ec 12Ed 13F 30B 30Ba 30Bd 30Bc1 30Bx 30Be 30Bf 30C 30Cd 44L 47D 47F 56F 56F6 62H 65D 65Dl 65Dlc 65Dn 65Dü
- 281) Leucoma salicis (Linnaeus,1758)** (Lymantriidae) Synonym(s): *salicis* Linnaeus,1758; *apparens* Retzius,1783; *salicinus* Haworth,1803; *xanthocampa* Dyar,1905; *coreacola* Matsumura,1933; *sjoquisti* Bryk,1942; *variabilis* Bryk,1949 Original Reference: *Phalaena salicis* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 502. Range (in code): PT ES FR Co Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Lag DK NO SE FI EE LV LT RU MD UA BY At T-S Sb KK Ik CN Ui Kml Yu Lik MN U-B Am KP KR JP 05 06 07 08 10 12 13 14 16 19 22 24 25 30 36 42 46 49 53 55 56 58 60 61 62 63 65 66 75 05A 06R 06Ra 06Rb 06Re 07C 08H 13A 13Ab 13Ax 13G 13Gü 13Gw 16A 19C 25T 25F 30B 30Be 30Bf 30D 30Da 36F 46D 49E 49Ea 53N 53B 55F 56F 56Fa 58G 58I 58N 60C 61L 62E 63B 65D 65Dl 65Dlc 65F 65Fe 65Fg 65N 65Np2 65Nm 66P 75F 75Fb
- 282) Lymantria dispar (Linnaeus,1758)** (Lymantriidae) Synonym(s): *dispar* Linnaeus,1758; *disparina* Müller,1802; *japonica* Motschulsky,1860; *disparoides* Mabille,1876; *bordigalensis* Mabille,1876; *asiatica* Wnukowsky,1926 Original Reference: *Phalaena dispar* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 501. Range (in code): DZ Sbd Btina TN DhM PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR Cr TR DK SE FI EE LV LT RU Sb At Us To Vv MD UA BY AM AZ Len GG Bjo Smt Mng Lag Cc KK KG IQ Hjo Dk LB IR Mz Elb Sari Ha Ab Oru JP MN CN Lng Pkn Sz Mc KP KR TW CA On BCo US Col Ut Cf Org Krl GlS 06 07 10 11 12 17 19 23 25 30 33 36 46 48 49 50 56 62 65 71 76 06R 06Ra 06Rb 06Rd 07A 07B 07C 10K 10Ka 12A 12Aa 12E 12Eb 12Ec 12Ed 19P 23D 25A 25F 30B 30Ba 30C 30Cd 30D 30Da 30Dx 33F 36D 36Db 48L 49E 49Ea 50G 56F 56F6 62H 62E 65D 65Dl 65Dlc 65Dn 65F 65Fo 65L 65Lb 76C
- 283) Ocnogryia amanda Staudinger,[1892]** (Lymantriidae) Synonym(s): *amanda* Staudinger,[1892] Original Reference: *Ocnogryia amanda* Staudinger,[1892], Dt. ent. Z., Iris 4: 254-255. Type 1♂: [Türkei]: Mardin (Manissadjian). Range (in code): TR IQ Agh OM AE IR 30 47 56 65 30B 30Bf 30Bh 30D 30Dd 47D 56F 65D 65Du 65Dh 65Dv
- 284) Parocneria terebinthi (Freyer,[1838])** (Lymantriidae) Synonym(s): *terebinthi* Freyer,[1838]; *unicolor* Staudinger,[1895] Original Reference: *Bombyx terebinthi* Freyer,[1838], Neuere Beitr. Schmett. 3: 110, pl.272 fig.1. Range (in code): RO YU BG GR Cr TR GG Aba Cc 01 05 06 07 08 16 30 33 42 46 47 60 65 80 01A 05A 06R 06Re 07C 08H 08Ha 16A 30B 30Bf 33G 33F 33N 42B 46G 60C 65D 65Dl 65Dlc 80G
- 285) Parocneria terebynthina (Staudinger,[1895])** (Lymantriidae) Synonym(s): *terebynthina* Staudinger,[1895]; *insolita* Brandt,1938 Original Reference: *Ocneria terebynthina* Staudinger,[1895], Dt. ent. Z., Iris 7: 259-260. Syntypes 6♂: [Türkei]: Mardin. Range (in code): TR IQ IR Fa Mia 30 47 56 65 30B 30Bd 30Bc1 30Bx 56F 56Fj 65D 65Du
- 286) Polymona lapidicola (Herrich-Schäffer,[1852])** (Lymantriidae) Synonym(s): *lapidicola* Herrich-Schäffer,[1852] Original Reference: *Liparis lapidicola* Herrich-Schäffer,[1852], Syst. Bearb. Schmett. Eur. 6 (55): 52. Type: [Turkey]: "Kleinasien". Range (in code): Sa TR Cc AM AZ Kir SY CY IQ Rwz LB Bsa IL Pa Hf JO 01 05 06 07 14 19 21 23 30 33 35 36 42 44 46 47 48 50 56 63 65 71 73 01H 05A 07B 07Bb 07C 14I 19P 21L 23I 30D 30Dx 33P 36D 36Db 42B 44E 44Eh 44F 44Fa 44L 44Lc 46G 46Gf 46Gi 48D 50G 56E 56Eb 56F 56Fb 56Fo 63M 65D 65Dv 65K 65Kb 71B 73A 73Ab 73D 73Da 73Df 73Dfc 73E 73Eb
- 287) Acontia (Emmelia) trabealis (Scopoli,1763)** (Noctuidae) Synonym(s): *trabealis* Scopoli,1763; *arabica* Hufnagel,1766; *sulphuralis* Linnaeus,1767; *sulphurea* [Denis & Schiffermüller],1775; *lugubris*

*Fabricius,1777; histrionella Goeze,1783; arlequinetta Fourcroy,1785; trabeata Borkhausen,1790; pardalina Walker,1865; deleta Staudinger,1877; flavonitens Austaut,1880; algira Oberthür,1881* Original Reference: *Phalaena trabealis Scopoli,1763, Entomologia Carniolica: 240. Type(s): [Slovenien]: Carniolia [Krain]. Range (in code): MA DZ TN PT ES Mu FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR CY LB Bei IL Hf Pa SY JO DK NO SE FI EE LV LT RU Tv Am Sb MD UA BY IR Ab Mak Mz Th Elb Kd Snj Km Lo Kz Yas Ss Bk Qz IQ Agh Amr AM GG AZ Len Cc AF PK Bl Qu CN Ui Ku SA SA63 Us MN MU KK Ik Skm Osh Ro Kr St Kb Kc Nt Ich Ing Kyi Da Oru Bne Mrv Bjr Zj GlS Bsk Abe Sbd Rbt Anna 01 04 05 06 07 08 11 13 16 18 30 32 33 36 38 41 42 46 50 55 56 58 59 60 65 66 71 75 76 01H 05A 06R 06Rd 13A 13G 13Gg 16A 30D 30Dx 36D 36Db 38H 38Hc 46G 46Gf 55F 56F 58N 60G 65D 65Du 65K 65Kl 65L 65Lb 65M 65Mc 65Md 75F 75Fb 75Fd 76B 76Bf 76Bh 76Bj*

**288) *Acontia (Uracontia) titania (Esper,[1798])* (Noctuidae) Synonym(s):** *titania Esper,[1798]; urania Frivaldsky,1835; eversmanni Kolenati,1846. Original Reference:* *Phalaena titania Esper,[1798], Die Schmett. 4(2/2): 36, Tab.190, Noct.111, fig.2. Syntypes: [Russia]: Taurien [Südrussland]. Range (in code): Si? RO RU Ro Da YU BG GR TR AZ Kir Nv Ord Cc GG Lag AM IR Fa Ab Mak Elb Th Kaz Mia Kh Msh IQ TM UZ N-A LB Bei IL Pa SA 01 02 05 08 13 16 17 24 30 33 36 42 44 46 50 56 58 60 62 65 73 05A 30B 30Bc 30Bc1 30Bx 30D 30Dx 33E 44L 44Lc 46G 46Gf 56F 65D 65Dl 65Dlc 65F 65Fa 65Fç 65Fp 65N 65Np 65Np6 65Nm*

**289) *Acontia (s.str.) lucida (Hufnagel,1766)* (Noctuidae) Synonym(s):** *lucida Hufnagel,1766; solaris [Denis & Schifferrmüller],1775; albicollis Fabricius,1781; rupicola Borkhausen,1792; insolatrix Hübner,[1822]; triradiata Walker,[1858]; lugens Alpheraky,1889; heliodora Schawerda,1923 Original Reference:* *Phalaena lucida Hufnagel,1766, Berl. Mag. 3 (3): 302. Type (s): Berlin. Range (in code): Cn MA DZ TN LY EG PT ES Mu FR Co Sa Si IT MT GB NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR LB Bsa IQ Mos Agh kut Bgd Kro Bji SA FI LV RU MD UA BY IR Hz Ss Fa Elb Men Ahz GG AZ Len Cc AM TJ Pm AF Asm Nu Kab Hr Pli Gbh Bd Fz Dwe PK IN CN Ui Ku Ii Txl Tek IL Pa Hf Md At KG SY JO Sn Th Mia Kaz Mz B-A UZ N-A KK Skm Osh Ro Kr St Kb Ich Kyi Da IN Pj C-P Kba Cp Smt Tbl Bjo Mng Der BtNa Bsk Ktr Hmk Khh Ahr Ktr Perr Hrh Berr Saia Ges Lgt Ndr Abe Sbd Agi Orn Rbt Phv Tgr Hrh Hes Onç 01 05 06 13 16 18 23 24 30 31 32 33 34 35 41 42 46 50 51 58 65 71 73 76 05A 13C 13Cf 16A 31K 31Ka 33G 42J 42X 42Xa 46G 46Gf 65D 65Ds 65Du 65E 65Eb 65Ed 65F 65Fp 65Fz 65M 65Mc 65Md 65N 65Np2 65Np6 65Nm 73A 73Ab 76B 76Bb 76D 76Dğ*

**290) *Acontiola lascivalis (Lederer,1855)* (Noctuidae) Synonym(s):** *lascivalis Lederer,1855 Original Reference:* *Choreutis lascivalis Lederer,1855, Verh. zool.- bot. Wien 5: 233, pl.5 fig.7. Type ♂: [Libanon]: Beirut. Range (in code): AL BG GR TR LB Bei 05 07 65 05A 07A 07Ac 65D 65Dl*

**291) *Acontiola moldavicola (Herrich-Schäffer,[1851])* (Noctuidae) Synonym(s):** *moldavicola Herrich-Schäffer,[1851]; euboica Mill.,1874; mesopotamica Schawerda,1923 Original Reference:* *Acontia moldavicola Herrich-Schäffer,[1851], Syst. Bearb. Schmett. Eur.: 419, Noctuides pl.44 figs.224,225. Type(s): [Czechoslovakia]: Moldau. Range (in code): IT RO YU AL BG GR RU MD UA BY TR IQ Mos 21 42 48 56 63 65 21N 21Nb 56F 56Fc 65D 65Dl 65Dn (Fig. 44)*



**Fig. 44 – *Acontiola moldavicola*, a diurnal moth at rest. Turkey, Van Prov. Çatak, Amata valley 1700m 19 5 2012, M Kemal (Cesa)**



- 292) *Agrotis (Crassagrotis) obesa* (Boisduval,1829)** (Noctuidae) Synonym(s): *obesa* Boisduval,1840 Original Reference: Noctua obesa Boisduval,1840, Genera meth. index Eur. Lep. (Add.): 3. Type(s): Europa. Range (in code): MA DZ Ges Btina Lbs Sbd Tlm Abe Afl LY MT PT ES FR IT MK BG GR RO MD UA Cm TR RU Ro Kr St Da IQ Brs AZ Kir GG Tbl Cc AM SY IR Gh Elb Th UZ Fe KK Osh KG TM CN LB IL Pa JO 01 03 04 06 08 13 18 20 23 25 26 30 36 44 46 50 56 58 62 63 65 71 73 01L 01La 03F 04D 04Da 06C 06Cb 06D 06Da 06R 06Rb 06Rq 06Y 06Yb 08H 08Hb 13C 13Cf 13D 13Da 18F 25R 25Rb 26K 30B 30Be 30Bh 30D 30Bj1 36D 36Db 44E 44Eh 46K 46Ka 50G 50Ga 50Gd 56F 58G 58Gi 58R 63E 65D 65F 65Fa 65Fm 65G 65Gj 65K 65N 65Nc 65Nç 65Np 65Np1 65Np2 65Np7 65Nm 65Kğ 65Kd 65Ku 70A 70Ac 73C 73Cd
- 293) *Agrotis (s.str.) desertorum* Boisduval,1840** (Noctuidae) Synonym(s): *desertorum* Boisduval,1840; *deserticola* Eversmann,1842 Original Reference: Agrotis desertorum Boisduval,1840, Genera Index meth. Eur. Lep.: 111. Syntypes: [Russia]: Südrussland. Range (in code): RO BG RU Ro MD UA TR SY IL Pa Hf GG Cc KK TrA KG 04 06 13 18 24 25 30 33 36 42 46 50 51 58 60 62 65 68 69 70 71 04E 06B 06O 13A 13Ab 13Ax 13G 13Gg 13Gü 13Gw 18F 24L 25A 25C 25Ca 25F 25N 25Na 25T 30B 30Bd 30Bx 36D 42R 42Rc 50G 50Gc 50Gd 51B 58G 58Gi 58N 58R 60C 62G 65Bx 65D 65Du 65F 65Fa 65G 65Ge 65K 65Kl 65N 65Np 65Nm 69A 70C 70Cb 68H
- 294) *Agrotis (s.str.) ipsilon* (Hufnagel,1766)** (Noctuidae) Synonym(s): *ipsilon* Hufnagel,1766; *suffusa* [Denis & Schiffermüller],1775; *idonea* Cramer,[1780]; *spinula* Esper,[1786]; *spinifera* Villers,1789. Original Reference: Phalaena ipsilon Hufnagel,1766, Berl. Mag. 4 (2): 416. Type(s): [Germany]: Berlin. Range (in code): PT MR MA DZ TN LY ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR DK NO SE FI EE LV LT RU MD UA BY IR Fa Lo Kh IQ Agh Amr kut MN PK Bl Qu AF Kab Gbh Srb Arh LB Bsa SY IL Pa JO Sn EG IN Up Bhi Nnt Kil ZA Tva Lpo Spb Mdk Hu Rd Hf Nwf AU NC FJ NZ HW EA Th Elb Mz Dam Hz GG Smt Bjo Lag Len AZ AM Cc UZ KK KG TJ TM Ro Kr St Kc Kb Nt Ich Ing Da Kyi ET ET24 Rw Thu LK Pdy Dek Pdn Ab Oru Gls Kh Ges Ah Sbd Btina Bsk Orn BSA Abe DhM Afl Onç Ah Ajj Idl Ath 01 03 05 06 07 08 11 13 14 15 16 18 20 21 25 27 29 30 31 32 33 35 36 37 42 44 46 47 48 49 50 51 56 57 58 62 63 65 67 69 71 80 01D 05A 06R 06Rb 08H 08Hb 11E 13A 13Ab 13Ax 13B 13G 13Gg 13Gf 13Gs 13Gw 14B 14Bb 16A 18F 21N 21Nh 25A 25R 27B 29F 30D 30Df 30Dx 31K 31Ka 33E 33H 36F 36Fb 42R 42Rc 44L 44Lc 46K 47E 48L 49F 49Fb 50G 50Gd 51B 51Ba 51D 51Da 56F 56Fa 56Fo 58G 58N 63D 63M 65D 65Dl 65Dlc 65Ds 65E 65Eb 65F 65Fa 65Fb 65Fg 65Ff 65Fr 65Fp 65Fz 65Fu 65K 65Kl 65N 65Nc 65Np 65Nm 65L 65Lb 69B 80E 80Ea
- 295) *Agrotis (s.str.) segetum* ([Denis & Schiffermüller],1775)** (Noctuidae) Synonym(s): *segetum* [Denis & Schiffermüller],1775; *sordida* [Denis & Schiffermüller],1775; *undulatus* Goeze,1781 (*praeocc.*); *nigricornis* Villers,1789; *segetis* Fabricius,1794; *catenatus* Haworth,1803; *monileus* Haworth,1803; *pectinatus* Haworth,1803; *connexus* Haworth,1803; *subatratus* Haworth,1803; *nigricornutus* Haworth,1803; *praecox* Hübner,[1808]; *fervida* Hübner,[1824]; *affinis* Stephens,1829; *sicula* Boisduval,1840; *dimidia* Zeller,1847; *sicania* Guenée,1852; *marginalis* Walker,1857; *aversa* Walker,1857; *correctus* Walker,1857; *obliviosus* Walker,1857; *denticulosus* Wallengren,1860; *certificata* Walker,1865; *conspurcatus* Walker,1865; *repulsus* Walker,1865; *ingratus* Butler,1878; *pallidus* Staudinger,1881; *lassa* Swinhoe,1886. Original Reference: Noctua segetum [Denis & Schiffermüller], 1775, Ankündigung syst. Werkes Schmett. Wienergegend:81,t.1,f.3. Type(s): [Austria]: Vienna district. Range (in code): Cn MA DZ TN LY EG PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR DK NO SE FI EE LV LT RU MD UA BY CY IR Fa Lo Ss Kh Ha Mz IQ MN CN Ui Ku PK Bl Qu AF Hr Srb Gbh Blh Arh Fz ZW Har ZA Mpu Brb Gau Pre Jh Tva Lpo Spb Mdk Nta Kzu LB Bsa IL Hf Pa SY JO Sn Tkr Agh Bgd Mj Up Bhi Nnt Kil Kml Gh Th Ab Oru Kz Hz Gls UZ KK KG TJ TM Cc Ro Kr St Kc Kb Nt Ing Ich Da Kyi ET ET24 Mre Cp Thu Rw LK Pdy Smt Tbl Bjo Kir Kus IN Hp Sml Haz Cte Mh Nsk Ges Afl BSA Khh Ktr Btina DhM Abe Lbs Agi Bsk Bdj Lgt Ah Sbd Ess Mzg Hrh Dzc Clo Ah Ajj Idl 01 05 06 07 11 13 14 15 16 18 21 24 25 27 30 31 32 33 35 36 37 38 42 44 46 49 50 51 56 57 58 60 62 63 65 67 71 80 01D 05A 06R 06Ra 06Rq 06Y 06Yb 07A 07C 11E 13A 13Ab 13Ax 13C 13Cf 13G 13Gü 13Gy 13Gw 13Gs 15F 16A 18F 21N 21Nh 25D 27B 30D 30Db 30Du 30Dx 31K 31Ka 31Ka3 31L 31La 33E 33H 35O 36D 36Db 36F 36Fb 38C 38Cb 44L 44Lc 49F 49Fb 50G 50Ga 50Gd 51B 51Ba 56F 56Fa 58G 58Gh 62G 62Gb 63D 63E 65B 65Bn 65D 65Dg 65Dn 65Du 65F 65Fa 65Fg 65Ff 65Fj 65Fp 65Fu 65Fz 65G 65Ge 65K 65Kl 65L 65Lb 65N 65Np 65Np1 65Np2 65Nm 80E 80Ea (Fig. 45)



**Fig. 45** – *Agrotis segetum*. Turkey, Van Prov., Çatak Darboğaz 2000m, 6 6 2004, M. Kemal & A. Koçak (Cesa)

- 296) Amphipyra (s.str.) micans Lederer,1857** (Noctuidae) Synonym(s): *micans Lederer,1857; frivaldskyi Mocsary,1896* Original Reference: *Amphipyra micans Lederer,1857, Wien. ent. Monatschr. 1:94. Type(s): [Libanon]: Beirut. Range (in code): RO HU MK BG GR SY LB Bei TR Cc IR Es CY IL Pa Hf 01 05 06 08 13 24 25 30 33 36 42 46 51 56 58 62 65 66 01K 05A 08H 13G 13Gy 25F 30B 30Bd 30Bx 30D 30Da 30Dt 36F 56F 65D 65Dn 65Du 65F 65Fm 65I 73C 73Cd*
- 297) Amphipyra (s.str.) stix Herrich-Schäffer,[1850]** (Noctuidae) Synonym(s): *stix Herrich-Schäffer,[1850]; #styx Staudinger,1879.* Original Reference: *Amphipyra stix Herrich-Schäffer,[1850], Syst. Bearb. Schmett. Eur.2:324. Syntypes: [Türkei]: Marmarameer. Range (in code): RO MK BG GR Cr TR Cc AM IL Pa IR Fa Mia 01 05 06 08 13 15 25 30 32 36 41 42 50 56 62 65 73 05A 06R 13A 13G 13Gü 13Gw 30B 30Bh 30Bf 30D 30Dt 36F 56F 65D 65Dj 65Dv 65L 65Lb 73A 73Ad 73Ad2*
- 298) Amphipyra (s.str.) tetra (Fabricius,1787)** (Noctuidae) Synonym(s): *tetra Fabricius,1787* Original Reference: *Noctua tetra Fabricius,1787, Mant. Ins. 2: 138, nr.31. Type(s): Austria. Range (in code): MR MA DZ Sfr Ges TN EG ES Mu FR Si IT CH AT PL CZ SK HU RO YU BG GR TR AZ Kir Cc RU Ro St Kyi Ur Sb Sj At IR Fa Ss Kd Mrv Lo Gl IL Pa AF TM CN Ui Ku KK LB EG Sn 01 05 06 13 39 42 45 50 58 65 05A 06R 58G 65D 65F 65Fj*
- 299) Anthracia eriopoda (Herrich-Schäffer,[1851])** (Noctuidae) Synonym(s): *eriopoda Herrich-Schäffer,[1851]; sareptae Guenée,1852; eriopodoides Strand,1916* Original Reference: *Ophiusa eriopoda Herrich-Schäffer,[1851], Syst. Bearb. Schmett. Eur. 2: 403. Type (s): [Türkei]: Brussa [Bursa]. Range (in code): MA RO MK BG GR CY TR SY LB IL Hf Pa JO RU Sr 02 09 16 17 33 46 62 65 09K 09Ka 16A 33G 46G 46Gf 62E 65D 65Dh*
- 300) Apamea (s.str.) leucodon (Eversmann,1837)** (Noctuidae) Synonym(s): *leucodon Eversmann,1837; bidens Eversmann,1852; anatolica Rebel,1933* Original Reference: *Hadena leucodon Eversmann,1837, Bull. Soc. imp. nat. Moscou 1837: 37. Syntypes: Astrachan, Sarepta. Range (in code): TR Cc RU Da IL Pa IR Fa Sse AF TM KK Ik Na T-A Sb At MN CN Ui 04 06 13 25 33 36 42 44 46 50 51 58 60 65 04D 04E 06K 06Kc 13A 13Ab 13Ax 36D 36Db 60C 65Bx 65D 65Dg 65F 65Fm 65G 65Ge 65L 65Lb 65N 65Nc 65Np 65Np1 65Np2 65Nm*
- 301) Apamea (s.str.) syriaca (Osthelder,1933)** (Noctuidae) Synonym(s): *syriaca Osthelder,1933; #albida Osthelder,1933; tallosi Kovacs & Varga,1969.* Original Reference: *Parastichtis monoglypha ssp. syriaca Osthelder,1933, Mitt. münch. ent. Ges. 23: 70. Syntypes: [Türkei]: Maraş, Durnali. Range (in code): DZ ES FR HU RO CZ MK BG TR Cc GR IR Ab Oru Mak Sdt Elb Th Kd Snj CY IQ Brs Ry Rwz Dia LB Bsa Bei SY IL Pa 01 04 03 05 06 08 11 12 13 16 17 18 24 25 28 30 31 32 33 34 35 36 37 42 45 46 49 50 51 56 58 60 62 65 73 80 04E 05A 08C 13B 13C 13Cf 13G 13Gf 13Gg 16A 30B 30Bh 30Be 30D 30Da 36F 37P 49E 49Ea 53N 56F 60C 65D 65Du 65F 65Fa 65Fg 65Fr 65Fm 65Fp 65Fz 65N 65Nc 73C 73Cd*
- 302) Autographa gamma (Linnaeus,1758)** (Noctuidae) Synonym(s): *gamma Linnaeus,1758; messmeri Schadewald,1992; voelkeri Schadewald,1992.* Original Reference: *Phalaena gamma Linnaeus,1758, Syst. Nat. (Edn.10)1: 513. Lectotype ♀: [Europa], designated by Mikkola & Honey,1993. Range (in code): PT ES Mu FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd TR CY LB Bsa DK NO SE FI EE LV LT RU MD UA BY IQ Agh Mj IR Fa Elb Mz Dam Th Kdj Kz Yas Skh Bu Dlk AF Jla Kab Bsg Nu Adr CN Ui Ku IL Pa Hf JO EG Sn GG AZ AM Cc KK Ik TrA Ax UZ KG Ro Kr St Kb Kc Nt Ing Da Kyi ET ET24 SY Hal Ak Shf Ab Ar Gh Gl Kh Se Qz Zj Kd Km Lo By Bk Es Bu Ss MA DZ Blid Bsk Tlm Btina Orn Lbs Agi Hrh Abe Khh Ahr Hmk Ges Perr Bdj Ndr Dhm TN BSA Sbd Tgr Hes Clo Ajj 01 03 04 05 06 07 08 10 13 14 16 17 18 19 21 24 25 26 28 30 31 32 33 35 37 38 39 42 43 44 48 49 50 51 52 56 58 61 62 63 65 66 73 75 76 80 05A 06P 06Pb 06R 06Rb 10K 10Ka 13A 13Ab 13Ax 13G 13Gg 13Gg 13Gö 13Gs 13Gw 16A 21L 21Lc 21N 21Nh 30B 30Bb 30Bk 30D 30Dx 31K 31Ka 31Ka3 31Ka7 33A 33Ac 33E 44L 44Lc 48L 49F 49Fb 56F 58N 63D 65Bx 65E 65Eb 65Ec 65Eç 65Ed 65D 65Dr 65F 65Fd 65Fu 65G 65Ge 65K 65Kl 65Kp 65Ku 65M 65Mc 65Md 65N 65Nc 65Np 65Nr7 65Nm 73A 73Aç 73Aç1 73H 75F 75Fg 76A 76Ac 76B 76Bb 76Bf 76Bh*
- 303) Autophila (Cheirophanes) chamaephanes Boursin,1940** (Noctuidae) Synonym(s): *chamaephanes Boursin,1940* Original Reference: *Autophila chamaephanes Boursin,1940, Mitt. münch. ent. Ges. 30: 528-529, Taf.xi fig. 86. Holotype ♂: [Azerbaidshan]: Transkaukasien (Elisabethpol) (coll. Schwingenschuss). Range (in code): AZ Kir Cc TR RU KG Tk Dj Ii 05 30 65 05A 30D 30Dx 65D 65Dva*
- 304) Autophila (Cheirophanes) ligaminosa (Eversmann,1851)** (Noctuidae) Synonym(s): *ligaminosa Eversmann,1851; caucasica Herz,1904.* Original Reference: *Amphipyra ligaminosa Eversmann,1851, Bull. Soc. imp. nat. Moscou 24: 630. Syntypes: Georgien, Armenien. Range (in code): DZ Sbd Btina Abe Hrh HV TR GR Rd Cc GG Smt Akh Cc AM AZ Kir LB UZ Fe IQ Brs RU Da IR Fa Elb Hz Ss KK Ik Feg KG Tk PK Gg Hu Bl Qu AF Ca AE OM 05 06 08 13 14 17 18 25 33 36 42 46 50 56 65 73 05A 06C 06Cb 13C 13Cf 25F 36D 36F 36Fb 56F 65D 65Dh 65Dy 65Dv 73C 73Cd*



- 305) Autophila (s.str.) asiatica (Staudinger,1888)** (Noctuidae) Synonym(s): *asiatica* Staudinger,1888 Original Reference: *Spintherops dilucida* var. *asiatica* Staudinger,1888, Stettin ent. Ztg. 49: 63. Range (in code): GR AM TR RU Cc Ro St Nt Da IR GlS Kh Fe IQ UZ KK Skm KG CN Ui Ku Au Shs 01 13 25 30 33 35 36 38 49 50 56 58 65 73 13G 13Gg 30B 30Be 56F 58G 65D 65Dh 65Dv 65F 65Fr 65Fm 65Fp 65Fz 73C 73Cd
- 306) Behounekia freyeri (Frivaldsky,1835)** (Noctuidae) Synonym(s): *freyeri* Frivaldsky,1835; *linthea* Freyer,1842; *orontii* Herrich-Schäffer,[1851]; *senescens* Eversmann,1856; *#linthea* Lederer,1870 Original Reference: *Xylina freyeri* Frivaldsky,1835, Tarsas Tud. Akad. Evkönyvs. 2:273. Syntypes: Balkans. Range (in code): MK BG GR TR AM GG AZ Kir Cc RU Da SY 01 05 06 13 18 21 25 30 32 35 36 38 42 46 47 49 50 51 56 62 65 73 05A 13A 13Ab 13Ax 13G 13Ga 13Gs 13Gw 21N 21Nb 30B 30Bd 30Bx 36D 36Db 38H 49F 49Fb 56F 65D 65Dg 65Dh 65Ds 65F 65Fç 65Fg 65Fu 65K 65Kl 65L 65Lb 65N 65Nc 65Np 65Np2 65Nm 73A 73Ab
- 307) Bryomima carducha Staudinger,1900** (Noctuidae) Synonym(s): *carducha* Staudinger,1900 Original Reference: *Bryomima carducha* Staudinger,1900, Dt. ent. Z., Iris 12: 357. Syntypes: [Türkei]: Mardin. Range (in code): TR IQ IR Fa Mia Com Kz Yas Elb Th Kdj Ab Oru Ss Kuh Ke By Yas Lo 47 56 65 47D 56F 56Fö 56Fü 65D 65Dx 65F 65Fp 65Fz 65G



**Fig. 46** – *Bryomima* sp., at rest. Turkey, Van Prov., Çatak Darboğaz 2050m, 8 6 2015, M.Kemal (Cesa)

- 308) Bryophilopsis roederi (Standfuss,1892)** (Noctuidae) Synonym(s): *roederi* Standfuss,1892 Original Reference: *Bryophila röderi* Standfuss,1892, [in] Romanoff, Mém. lép. 6: 665-666, Pl.xv fig.4. Syntypes: [Türkei]: Mardin (P.Sintenis). Range (in code): IL Pa TR IQ Ssa IR Ke Fa Ss Mia Kaz Km Kd Mrv Bne Sqq Lo Kz Yas Skh Hz B-A AF Nu Bsg TM KK Feg PK 07 13 21 30 31 33 42 47 56 58 62 65 73 13C 13Cf 21N 21Nh 30B 30Bf 30Bh 30D 30Dx 47D 56F 56Fg 56Fç 65D 65Dh 73C 73A 73Ab 73Cd 73D 73Da
- 309) Calamia staudingeri Warnecke,1941** (Noctuidae) Synonym(s): *staudingeri* Warnecke,1941 Original Reference: *Calamia staudingeri* Warnecke,1941, Z. wien. entVer. 26: 101-102, fig. Syntypes: [Turkey]: [Adana Pr.]: "Hadjin"; "Sivas"; [Konya Prov.]: "Ak-Schehir"; Armenien. Range (in code): TR IQ Cc AM RU Ich IR Fa Elb Bk Lo By Es Ha Th Mz Plr Dam Kd 01 04 13 25 30 36 38 42 51 58 65 76 01K 04C 13A 13Ab 13Ax 13B 13G 13Gü 13Gw 30D 30Dp 42B 58N 65B 65Bo 65Bx 65D 65Dd 65Df 65F 65Fa 65Fp 65Fz 65Fr 65G 65Ge 65K 65Kd 65Kg 65N 65Np2 65Nm 76C 76D 76Dd
- 310) Callistege mi (Clerck,1759)** (Noctuidae) Synonym(s): *#mi* Clerck,1759; *graminis* Hufnagel,1766; *albolineata* Goeze,1781; *litterata* Cyrilli,1787 nec Sc.,1763 Original Reference: [Phalaena] *mi* Clerck,1759, Icon. Ins. rariorum: pl.9 fig.5. Range (in code): PT ES FR Co Si IT IE GB BE NL LU DE

CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU Ro Kr St Kb Nt Da AZ AM GG Cc MD UA BY CN Ui Tlk IR Ab Oru 13 16 36 60 65 13Gö 13Gğ 16A 36F 60C 65D 65Dç 65Fö 65Fz

- 311) Calymma communimacula ([Denis & Schiffermüller],1775)** (Noctuidae) Synonym(s): *communimacula* [Denis & Schiffermüller],1775 Original Reference: Noctua communimacula [Denis & Schiffermüller], 1775, Ankündigung syst. Werkes Schmett. Wienergegend: 85. Type(s): [Austria]: Vienna district. Range (in code): FR IT AT CZ SK HU YU AL BG GR TR AM IR Fa Ss Lo Kd Sqq Sse LB IL Pa SY RU Cc AZ Kir Ro Kr Ich MD UA 06 17 30 32 42 44 46 50 51 56 58 65 06K 06Kc 06R 06Re 30B 30Bd 30Bc1 30Bx 30Bf 30Bj1 44L 44Lc 56F 56Fa 65D 65Dlc 65K 65Kb
- 312) Caradrina (Boursinidrina) parvaspersa (Boursin,1936)** (Noctuidae) Synonym(s): *parvaspersa* Boursin,1936 Original Reference: Athetis parvaspersa Boursin,1936, Bull. Soc. ent. Fr. 1936 (6): 92. Holotype ♂: Iraq: Rayat, Wiltshire leg. (BMNH). Range (in code): IQ Ry IR Fa Com Sse By TR 13 65 13G 13Gü 13Gw 65D 65F 65Fm 65Fp 65Fz 65L 65Lb
- 313) Caradrina (Boursinidrina) pseudadelpha (Boursin,1939)** (Noctuidae) Synonym(s): *pseudadelpha* Boursin,1939 Range (in code): IR Fa Com Sse Km Ksh Elb Th Kdv Dam Kd Es By TR 30 44 65 65D
- 314) Caradrina (Boursinidrina) rjabovi (Boursin,1936)** (Noctuidae) Synonym(s): *rjabovi* Boursin,1936; *pseudovicina* Boursin,1939 Original Reference: Athetis rjabovi Boursin,1936, Bull. Soc. ent. Fr. 1936 (6): 91. Holotype ♂: Armenie: Njuvady, pres Migry sur l'Araxe (Armenie) (leg. Rjabov) (coll. Boursin). Range (in code): Cc AM TR IR Ak Ab Ar Fa Com Elb Th Kdj Mz Kd Ke Lo Kh 04 06 13 25 36 44 46 56 58 62 65 06R 13B 36F 36Fb 56F 58G 65D 65F 65Fa 65Fm 65Fp 65Fz
- 315) Caradrina (Boursinidrina) surchica (Boursin,1937)** (Noctuidae) Synonym(s): *surchica* Boursin,1937 Original Reference: Eremodrina (Hymenodrina) surchica Boursin,1937, Ent. Rdsch. 54: 430-431. Holotype ♂: Iraq: Rowanduz, 8.Oct.1936, (leg. & coll. Wiltshire). Range (in code): IQ Rwz IR Fa Lo Elb Th Nss Km Ksh Es By TR 30 56 65 56F 65D
- 316) Caradrina (Platyperigea) aspersa (Rambur,1834)** (Noctuidae) Synonym(s): *aspersa* Rambur,1834; *anceps* Herrich-Schäffer,1849; *culoti* Turati,1913; *predotae* Schawerda,1934; *alfacaria* Draudt,1934; *pujoli* Agenjo,1954; *buddenbrocki* Gross,1956; *proverai* Berio,1977 Original Reference: Caradrina aspersa Rambur,1834, Annls Soc. ent. Fr. 1834: 385, Pl.8 fig.3. Range (in code): MA DZ PT ES Mu FR Co Sa Si IT DE CH AT PL CZ SK HU YU AL BG GR Cr TR Cc GG Smt Bjo IR Fa Kh TM Kp RU Nt Sb LB IL Pa Hf CY 03 05 06 07 08 14 17 18 22 29 32 33 39 42 46 50 51 62 65 66 05A 65D 65Dn 65F 65Fm
- 317) Catephia alchymista ([Denis & Schiffermüller],1775)** (Noctuidae) Synonym(s): *alchymista* [Denis & Schiffermüller],1775 Original Reference: Noctua alchymista [Denis & Schiffermüller], 1775, Ankündigung syst. Werkes Schmett. Wienergegend: 89. Type(s): [Austria]: Vienna district. Range (in code): MA DZ Bttna Hrh Dhm Sét Anna Sbd TN PT ES Mu FR Co Sa Si IT GB BE NL DE CH AT PL CZ SK HU RO YU BG GR Cr TR GG Smt Bjo Der AZ Kir Hkd Cc IR Mz Gls IQ Mos CY IL Pa LV LT RU Ro St Kr Ich Da MD UA BY 06 07 17 18 30 33 34 39 42 56 62 65 33E 33G 56F 56Fa 65D 65Dv
- 318) Catocala (Ephesia) wolffi Hacker,1999** (Noctuidae) Synonym(s): *wolffi* Hacker,1999 Original Reference: Catocala wolffi Hacker,1999, Esperiana 7: 434-435, figs. Holotype ♂: Türkiye: Prov. Hakkari: Çiğil suyu-Tal, 1100m 22km SW Hakkari, 28.vi.1984 (leg. Wolf) (ZSM). Range (in code): TR IR By 30 65 30B 30Bi 30D 30Dx 65D 65Dv
- 319) Catocala (s.str.) abacta Staudinger,1900** (Noctuidae) Synonym(s): *abacta* Staudinger,1900; *irana* Brandt,1938; *iranica* Hacker,1986. Original Reference: Catocala abacta Staudinger,1900, Dt. ent. Z., Iris 13: 113-114. Type ♂: [Türkei]: [Kahramanmaraş Prov.]: "Marasch", leg. Armenier Haradjan. Range (in code): TR IR Ab Kd Sqq Sdt Mrv Bne Fa Kz Mia Es IQ Shq Akr 01 02 07 12 13 21 23 24 30 42 44 46 47 48 56 62 65 72 73 01H 07A 12A 12Aa 13C 13Cf 21L 21N 24E 24Ea 30B 30Ba 30Bd 30Bx 30Be 30Bf 30Bi 30Bj 30Bl 30D 30Dt 30Dx 46D 48D 56F 56F6 62H 65D 65Dh 65Dv 72E 72Eb 72Ec 73C 73A 73Ab 73Cd 73D 73Da 73De (Fig. 47)





**Fig. 47** – *Catocala abacta*, male genitalia (GP2142). Turkey, Van Prov., Çatak Narlı 1900m, prep. A.Koçak (Cesa)

- 320) *Catocala (s.str.) conversa* (Esper,1783)** (Noctuidae) Synonym(s): *conversa* Esper,[1787]; *pasythea* Hübner,[1809]; *agamos* Hübner,[1813] Original Reference: *Phalaena conversa* Esper,[1787], Die Schmett. 4:368, Tab.105 Noct. 26B fig. 1-3. Syntypes: Italia: Florenz. Range (in code): MA DZ Lbs Tun Dhm Hrh Dzc Abe Sbd Btina TN PT ES Mu FR Co Sa Si IT DE CH AT CZ SK HU RO YU AL BG GR Cr TR CY DK RU Ro Kr MD UA Cc AM GG AZ Kir LB Bsa IL Pa JO SY Hal 01 06 07 08 11 13 16 17 22 25 27 30 33 35 42 45 48 51 56 65 70 06R 06Rb 13G 13Gg 16A 25C 25Ca 33G 48D 56F 56Fc 65D 65Dv
- 321) *Catocala (s.str.) elocata* (Esper,[1787])** (Noctuidae) Synonym(s): *elocata* Esper,[1787]; *marita* Hübner,[1813]; *nurus* Hübner,[1822] Original Reference: *Phalaena elocata* Esper,[1787], Die Schmett. 4: 127, Tab.99 Noct.20 fig. 1,2. Syntypes: [Deutschland]: Erlangen, Uffenheim. Range (in code): MA DZ TN PT ES Mu FR Co Sa Si IT MT NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR GG Tbl Smt Bjo AZ Kir Len Cc IR Ab Oru Sro Elb Th Km Qz Kz Yas Skh SE LT RU Ro Kr St Nt Ing Kyi Da MD UA BY LB IL Pa SY IQ Bgd JHa JO CN Ui Ku Chk UZ Fe PK Swa Mdy Btina Bdj DhM Sfr Abe Clo Anna Orn 01 08 13 16 17 18 21 33 38 46 48 50 51 56 58 60 62 63 65 01K 13C 13Cf 13G 13Gü 13Gw 16A 21N 21Nb 33G 36F 36Fb 38H 38Hc 46G 46Gf 48D 51B 51Ba 56E 56Eh 56F 56Fb 58G 62G 62Gb 63E 65D 65F 65Fa 65Fm 65Fp 65Fz 65K 65Kp 65N 65Nc 65Np2 65Nm
- 322) *Catocala (s.str.) lesbia* Christoph,1887** (Noctuidae) Synonym(s): *lesbia* Christoph,1887 Original Reference: *Catocala lesbia* Christoph,1887, Stettin ent. Ztg. 48: 165. Syntypes: [Turkmenistan]: Aschabad; Lectotype ♂: Turkmenistan: Germob (Tekke) (ZIP). Range (in code): TR EG Sn IL Pa IQ Kq JO IR Fa Kaz Mia Lo Elb Th Ss Es Kz AF PK Nf TM Kp 13 23 30 56 65 73 13C 13G 13Gü 13Gw 30B 30Be 56F 56Fa 56Ft 56Fv 56F6 65D 65Dö 73C 73A 73Ab 73Cd 73D 73Da
- 323) *Catocala (s.str.) nymphagoga* (Esper,[1787])** (Noctuidae) Synonym(s): *nymphagoga* Esper,[1787]; *v-nigrum* Villers,1789; *tmolia* Lederer,1865; *vallantini* Oberthür,1894 Original Reference: *Phalaena nymphagoga* Esper,[1787], Die Schmett. 4:159, Tab.105 Noct. 26 fig.4. Type(s): [France]: Lion. Range (in code): DZ TN Blid Sbd Abe PT ES Mu FR Co Sa Si IT MT GB CH AT CZ SK HU RO YU AL BG GR Cr Rd CY IR Fa Kz Yas Skh Mz GlS TR RU Cc AZ Len MD UA BY LB Bsa IL Pa JO IQ 01 05 06 07 11 12 16 17 30 33 35 39 44 45 48 50 56 62 65 73 05A 07B 12A 12Aa 16A 30B 30Be 30Bj 30D 30Dt 33G 44E 44Ee 48F 56F 56Fa 56Fb 56Fs 56Fv 62H 65D 65Dl 65Dlc 65Dn 73C 73Cd 73D 73Df
- 324) *Chloantha hypericii* (Fabricius,1787)** (Noctuidae) Synonym(s): *#hyperici* [Denis & Schiffermüller],1775; *hypericii* Fabricius,1787 Original Reference: *Noctua hypericii* Fabricius,1787, Mant. Ins. 2: 167, nr.217. Type(s): Austria: [Wien]. Range (in code): PT ES FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR AZ AM GG Cc CY IQ TIH IL Pa Hf SY JO DK NO SE FI LT RU Ro Kr St Ich Da MD UA BY IR Kh KuB Fa Ha Zj GlS Gor Elb Clu Mz Dam Th Mia Kd

Mrv AF TM Kp LB Bsa 01 04 05 06 07 08 12 13 14 15 16 17 18 24 25 28 30 31 32 33 35 36 42 44 46 50 51 56 58 60 61 62 65 69 73 01A 05A 06R 06Rb 13G 13Gg 13Gy 13Gü 13Gs 13Gw 14I 16A 30D 30Dx 31K 31Ka 31Ka7 42B 42D 44L 44Lc 56A 56F 58N 65D 65Dg 65F 65Fr 65Fm 73A 73Ad 73Ad2

- 325) Cleonymia (Serryvania) opposita (Lederer,1870)** (Noctuidae) Synonym(s): *opposita Lederer,1870; #obscurior Osthelder,1933.* Original Reference: *Cleophana opposita Lederer,1870, Annls Soc. ent. Belg. 13: 34, 47, pl. 1 fig.12.* Type ♂: [Armenia]: Goektschai (Haberhauer leg.). Range (in code): YU BG GR TR AM Cc AZ Kir Pa IL IQ SY JO IR Ab Oru Mak Km 01 05 06 18 21 24 25 32 33 36 42 44 46 49 50 51 56 58 60 62 63 65 73 05A 06R 06Rh 06Y 06Yb 18F 21L 21Lc 21N 21Nb 21Nc 21Nh 33G 36D 36Db 42B 49F 49Fb 56F 56Fg 56Fc 56Fv 65D 65Dg 65Di 65F 65Fg 65Fm 65Fr 65Fp 65Fz 65L 65Lb 65N 65Np 65Np2 65Nm 73E 73Eb

- 326) Clytie (s.str.) gracilis (A.Bang-Haas,1907)** (Noctuidae) Synonym(s): *gracilis A.Bang-Haas,1907; syrdaja Hampson,1913.* Original Reference: *Pseudophia illunaris var. gracilis A.Bang-Haas,1907, Dt. ent. Z., Iris 20 (1/2): 74-75, pl.3 fig.10.* Syntypes 3♂: "Südost-Transcaspien". Range (in code): TM Kp IR GlS Kh Es Ss Elb Mz Fa Kaz Mia Hz B-A MN UZ Fe TJ KG RU AF TR 13 65 65D 65Dh 65Dn 65Dv

- 327) Clytie (s.str.) syriaca (Bugnion,1837)** (Noctuidae) Synonym(s): *syriaca Bugnion,1837; gentilitia Freyer,1848.* Original Reference: *Ophiusa syriaca Bugnion,1837, Annls Soc. ent. Fr. 1837: 442.* Neotype: Turkey: Adana: Feka 6km N, 100m, leg. Hacker (ZSM). Range (in code): AT RO YU AL BG GR Cr CY LB Bei Beq IL Pa SY TR RU Cc St Ich Da Der MD UA BY IR Fa Ahz IQ Agh Amr Bgd KG Tk Tks Dj Aa KK Skm UZ 01 05 06 07 08 13 16 18 21 23 24 25 30 31 33 35 42 44 56 62 65 70 05A 07B 08C 08H 08Ha 13C 13Cf 16A 21N 21Nb 30B 30Ba 30Bd 30Bx 30Bf 33A 33Ac 56F 56Fé 56Fc 65D 65Dh 70C 70Ce

- 328) Colobochyla (Caspicastra) platyzona (Lederer,1870)** (Noctuidae) Synonym(s): *platyzona Lederer,1870; #platizona Hacker,1990.* Original Reference: *Madopa platyzona Lederer,1870, Annls Soc. ent. Belg. 13: 37, 47, pl.1 fig.13.* Syntypes 3♀: [Azerbaijan]: Helenendorf [Kirovabad]. Range (in code): TR AZ Kir Cc IR Fa Lo Kdj Elb Ke Th Kd Bjr Zj Mia Kaz Km TM Kp IQ Rwz 30 56 65 30D 56F 56Fx 56Fv 65D 65Dw

- 329) Conistra (s.str.) metria Boursin,1940** (Noctuidae) Synonym(s): *metria Boursin,1940; pseudopolitina Hacker,1990.* Original Reference: *Conistra metria Boursin,1940, Mitt. münch. ent. Ges. 30: 514, Taf.ix fig.35.* Holotype ♀: [Turkmenistan]: Ashkhabad (coll. Boursin). Range (in code): TM Kp IR Bu TR 06 07 11 13 30 56 58 62 65 73 06R 13C 13Cf 30B 30Bj 56F 56F3 62G 62Gb 65D 65F 65Fa 73A 73Ab

- 330) Conistra (s.str.) rubiginosa (Scopoli,1763)** (Noctuidae) Synonym(s): *rubiginosa Scopoli,1763; silene [Denis & Schiffermüller],1775; vaupunctatum Esper,[1786].* Original Reference: *Phalaena rubiginosa Scopoli,1763, Ent. Carn.: 213.* Range (in code): PT ES FR Sa Si IT BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR DK NO SE FI LT RU Cc Da MD UA BY KG 15 46 58 65 65D 65Dlc

- 331) Conistra (s.str.) vaccinii (Linnaeus,1761)** (Noctuidae) Synonym(s): *vaccinii Linnaeus,1761; polita [Denis & Schiffermüller],1775; spadicea [Denis & Schiffermüller],1775; nigra A.Bang-Haas,1907* Original Reference: *Phalaena vaccinii Linnaeus,1761, Fauna Suecica (2): 320.* Type(s): Schweden. Range (in code): DZ TN PT ES FR Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR GG Bjo Smt Akh Cc DK NO SE FI EE LV LT RU Ro Kr Kc Kb Da At No Sb MD UA BY IR Elb Mz GlS 06 08 09 12 13 14 15 25 30 50 56 62 65 73 06E 06Ea 14B 14Bb 25F 30B 50G 56E 56Eb 56Eh 62G 62Gb 65D 65Dlc 73A 73Ab

- 332) Cornutiplusia circumflexa (Linnaeus,1767)** (Noctuidae) Synonym(s): *circumflexa Linnaeus,1767; lunata Fabricius,1787; flexuosa Donovan,1807; daubii Freyer,1838; graphica Herrich-Schäffer,1851; patefacta Walker,[1858]; reticulata Moore,1882; clarescens Pinker & Bacallado,1975; #unata Kononenko & Pinratana,2005* Original Reference: *Phalaena circumflexa Linnaeus,1767, Syst. Nat. (Edn.12) 1: 844.* Type(s): Europa. Range (in code): Md Cn PT ES Si IT GB CH RO AL BG GR TR Cc CY IQ kut Kro Amr Mj Agh FI RU MD UA BY IR Fa By Kz Yas Hz Ss Ke Kh Ab Oru Mak Elb Th Mz CN Ui Ku KK Ik UZ KG DsA AF Ca Hr Gbh ZA Gau Pre Tva Ec Grh Cto Wca Nta Kzu Est IN NP LK LB Bsa IL Pa Hf SY JO TH CMa Php MM GG AM AZ Cc Skh Sdt Ak Ar Gh GlS Kh Se Ha Kd Km By Bk Es Bu Ke Hz Ss Snj Lo Kaz Mia Dlk B-A TM Kp N-A TJ Chr Pm Ro Kr Kb Kc Nt Ich Da ET ET24 ET36 ET86 ET196 DJ DJ44 Smt Bjo Lag Dar Nv Ord Hal 01 04 05 06 07 08 13 16 18 20 21 22 24 25 27 30 31 33 34 35 38 46 47 48 50 51 56 60 63 65 66 73 76 80 05A 13A 13Ab 13Ae 13Ax 13G 13Gü 13Gw 13Gz 16A 21N 21Nh 47G 56F 63D 65Bx 65D 65Dl 65Dlc 65Ds 65G 65Ge 65F 65Fr 65Fu 65K 65Kp 65L 65Lb 65N 65Nc 65Nc4 65Nm 65Np 73A 73Ac 73Al 76A 76Ac

- 333) Cryphia (Bryoleuca) rectilinea (W.Warren,1909)** (Noctuidae) Synonym(s): *rectilinea W.Warren,1909; mediochracea Bytinski-Salz,1936; insulicola Reisser,1962.* Original Reference: *Metachrostis rectilinea W.Warren,1909, [in] Seitz, Die Gross-Schmett. Erde 3: 22.* Type(s): [Israel]: Haifa. Range (in code): IT RO YU AL BG GR Cr CY IL Pa TR Cc IR LB Bei IQ 01 05 08 13 23 24 34 36 42 46 56 65 69 13C 13Cf 34S 42J 42X 42Xa 56F 65D 65Dh



- 334) *Cryphia (Bryopsis) amasina* (Draudt,1931) (Noctuidae) Synonym(s):** *amasina* Draudt,1931 Original Reference: *Bryophila muralis amasina* Draudt,1931, [in] Seitz,A., Grossschmett. Erde Suppl. 3: 19, pl.2 row g. Type: [Turkey]: "Amasia". Range (in code): **RO MK BG GR Cr CY TR TM IR Kh LB IL Pa JO YE RU Cc St Ich Da AM 01 05 06 08 12 13 18 25 33 42 56 62 65 75 05A 08H 08Ha 08Hb 25F 33A 33Ac 56F 56Fj 65D 65Dh 65Dv 65F 65Fa 65L 65Lb 75F 75Fa**
- 335) *Cucullia (s.str.) behouneki* Hacker & Ronkay,1988 (Noctuidae) Synonym(s):** *behouneki* Hacker & Ronkay,1988 Original Reference: *Cucullia behouneki* Hacker & Ronkay,1988, Nota lepid. 11(1): 39-42, figs. Holotype ♂: Türkiye: Erzurum: Palandöken Dağ, 2600-2800m. Range (in code): **TR IR Elb Th RU Kb Da Cc 04 08 24 25 28 30 36 58 60 65 66 75 25C 25Ca 65Bx 65D 65Dg 65G 65Ge (Fig. 48)**



**Fig. 48** – *Cucullia behouneki*. Turkey Van, Çatak 3km NNE 1500m, 21 6 2004 M. Kemal & A.Koçak (Cesa)

- 336) *Cucullia (s.str.) umbratica* (Linnaeus,1758) (Noctuidae) Synonym(s):** *umbratica* Linnaeus,1758; *sonchi* Heinemann,1859. Original Reference: *Phalaena umbratica* Linnaeus,1758, Syst. Nat. (Edn.10): 515. Type(s): [Europa]. Range (in code): **PT ES FR IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR GG Smt Bjo Bku AZ AM Cc IR Elb Mz Clu Th Diz Dam DK NO SE FI EE LV LT RU Ro Kr St Kb Kc Nt Ich Ing Da At MD UA BY CN Ui Ii Ga MN Uli KK Ik TeA KG Tk Dj 08 16 18 25 36 42 46 58 65 75 16A 58N 65D 75D**
- 337) *Dichagyris (Albocosta) flammata* ([Denis & Schiffermüller],1775) (Noctuidae) Synonym(s):** *flammata* [Denis & Schiffermüller],1775; *bimaculata* Milliere,1885. Original Reference: *Noctua flammata* [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 80. Type(s): [Austria]: Vienna district. Range (in code): **MA PT ES FR Co Si IT GB DE CH AT PL CZ SK HU RO YU BG GR Cr TR GG Akh Smt Cc AZ Hkd IR Fa Yas By Lo Kh Mz Elb Kdj Dam Kz LB Bsa CY IL Pa SY JO Sn EG IQ Mos TIH DK RU At Sb MD UA BY CN Ui Ii KG Tk Dj AF Hr Pli Gbh Ch PK Rw Ti SI UZ N-A KK TrA Ro St Nt Kb Ich Ing Kyi Da Tbl Bjo Kir Lag Nv Ord Bak Len GlS Kh DZ Sfr Sbd Ges Psu Gg Sai 01 04 06 07 13 21 24 25 28 30 32 33 36 38 39 43 44 45 46 47 49 50 51 53 58 60 61 63 65 66 70 06Y 06Yb 13A 13Ab 13Ax 13G 13Gs 13Gw 44L 44Lc 50G 50Gd 53N 58G 60C 63L 65D 65F 65Fe 65Fr 65Fp 65Fz 65K 65Kl 65Kd 65Kg 65N 65Np 65Np6 65Nm 70C 70Cf**
- 338) *Dichagyris (Yigoga) celsicola* (Bellier,1859) (Noctuidae) Synonym(s):** *celsicola* Bellier,1859; *gueddelanea* Oberthür,1918 Original Reference: *Agrotis celsicola* Bellier,1859, Annls Soc. ent. Fr. (3) 7: 190-191, pl.5 fig.5. Type(s): France, env. de Larche. Range (in code): **DZ Lbs Sbd FR Sa? IT GR TR Cc RU Da Kus IR Zj Elb Th Dam Kdj Mz Plr Km Krd Kd Lo 04 08 12 13 23 25 30 36 46 50 56 58 65 13B 13G 13Gg 13Gü 13Gw 25F 30B 30Bd 30Bc1 30Bx 56F 56Fq 56Fs 58N 65Bx 65D 65Dn 65Du 65Dx 65F 65Fr 65Fm 65Fp 65Fz 65G 65Ge 65K 65Kl**
- 339) *Dichagyris (Yigoga) flavina* (Herrich-Schäffer,[1852]) (Noctuidae) Synonym(s):** *flavina* Herrich-Schäffer,[1852]; *ochrina* Staudinger,1898; *pretiosa* Caradja,1931. Original Reference: *Agrotis flavina* Herrich-Schäffer,[1852], Syst. Bearb. Schmett. Eur. 6: 59. Syntypes: [Türkei]: Kleinasien. Range (in code): **RO YU BG GR RU Da TR IL Pa Cc AZ Kir LB UA Cm AM SY Dms LB Bsa IQ Mos IR Lo By Yas Es Fa Ha Elb Th Ab Oru Sdt Km Kd Snj Yas Sqg 01 03 04 05 07 18 22 23 25 30 32 36 38 39 40 42 44 46 50 51 56 58 60 62 63 65 66 68 70 05A 50G 50Gd 56F 56Fa 58N 63D 65D 65Dd 65L 65Lb 65N 65Nc 65Np2 65Nm 68H 70C 70Ce**
- 340) *Dichagyris (Yigoga) gracilis* (F.Wagner,1929) (Noctuidae) Synonym(s):** *gracilis* F.Wagner,1929 Original Reference: *Agrotis celsicola gracilis* F.Wagner,1929, Mitt. münch. ent. Ges. 19 (1): 72. Type: [Turkey], Tschiflik, Ak-Chehir. Range (in code): **GR TR Cc IR Ab Ory Sdt Fa**

Ke Es Elb Th Kd Km Snj Hz Zj Ha Mz IQ 01 03 04 05 06 07 08 12 18 24 25 29 30 36 38 42 50 51 58 60  
63 65 69 05A 30B 30Bd 42B 58N 65D 65Dd 65F 65Fa 65L 65Lb

- 341) *Dichagyris (Yigoga) nigrescens (Hofner,1888)* (Noctuidae) Synonym(s):** *nigrescens* Höfner,1888 Original Reference: *Agrotis nigrescens* Höfner,1888, Societas ent. 2: 121. Syntypes: [Germany]: Wolfsberg. Range (in code): ES FR Si IT DE CH AT CZ SK HU RO YU AL BG GR TR RU Cc Ro Nt Kr Ich LB JO IL Pa IQ Shq IR Fa Th Elb Kd Gls 01 05 06 07 12 13 18 20 25 30 32 33 34 37 42 45 46 50 56 65 66 73 05A 06R 06Rb 06Re 12E 13C 13Cf 13G 13Gg 13Gy 30B 30Bd 30Bc1 30Bx 30Bf 30D 30Da 30Dx 34A 37P 56F 56Fb 56F1 56Fa 56Fq 65Bx 65D 65Dh 65Dn 65F 65Fp 65Fz 65G 65Ge 73A 73Ab 73D 73De

Material studied: 1♂. Turkey Van Prov., Çatak 3km NNE (65Dh) 1500m, 21 6 2004 M. Kemal & A.Koçak leg. (Cesa) (Fig. 49).



Fig. 49 – *Dichagyris nigrescens*. Turkey Van, Çatak, 21 6 2004 M. Kemal & A.Koçak (Cesa)

- 342) *Dichagyris (Yigoga) romanovi (Christoph,1885)* (Noctuidae) Synonym(s):** *romanovi* Christoph,1885; *#jura* Strand,1915; *karsholti* Fibiger,1990. Original Reference: *Agrotis romanovi* Christoph,1885, [in] Romanoff,N.M., Mém. lépid. 2: 37, pl. ii fig.7. [Türkei]: Kazikoparan. Range (in code): TR Cc IL Pa Js JO IR Fa Ab Oru Lo Km Kd IQ? 04 13 23 25 30 32 38 42 50 51 58 63 65 66 76 50G 50Gc 65D 65Dd 76C
- 343) *Dichagyris (Yigoga) signifera ([Denis & Schiffermüller],1775)* (Noctuidae) Synonym(s):** *#signifera* [Denis & Schiffermüller],1775 Original Reference: *Noctua signifera* [Denis & Schiffermüller], 1775, Ankündigung syst. Werkes Schmett. Wienergegend: 80. Type(s): [Austria]: Vienna district. Range (in code): TN Gf ES FR IT DE CH AT PL CZ SK HU RO YU BG GR TR IR Fa Es Elb Ab Oru Kz Km Kd Mrv Bne Yas Lo IQ Shq LB LV LT RU Ro Kyi Da MD UA BY AZ Kir AM GG Tbl Akh Smt Cc 01 03 05 06 07 08 12 13 14 24 25 30 32 33 36 42 43 46 49 50 51 56 58 65 66 70 73 05A 08H 13C 13Cf 13G 13Gg 13Gü 13Gw 25F 30B 30Bd 30Be 30Bl 30D 30Da 30Dt 36F 42D 49E 49Ea 56F 56Fq 56Fm 58N 65D 65Dn 70C 70Cf 73A 73Ab 73D 73De
- 344) *Dichagyris (Yigoga) truculenta (Lederer,1853)* (Noctuidae) Synonym(s):** *truculenta* Lederer,1853 Original Reference: *Agrotis truculenta* Lederer,1853, Verh. zool.-bot. Ver. 3: 367. Syntypes: [Kazachstan]: Vorberge Altai. Range (in code): RU KG At TJ Pm Chr TR SY IL Pa He LB Bsa IR Fa Ss Kh Bl Elb Dam Kdj Th Kz Yas Lo KuB CN Ui 01 04 13 25 30 38 46 50 51 58 62 65 69 70 73 01L 01La 04I 13G 13Gü 13Gw 25D 30B 30Bh 30Be 30Bj1 42B 42D 51B 51Bc 58G 62G 65Bx 65D 65Dn 65F 65Fa 65Fp 65Fz 65Fm 65G 65Gb 65Ge 70C 70Cb 73C 73Cd
- 345) *Dichagyris (s.str.) argentea (Kozhantshikov,1930)* (Noctuidae) Synonym(s):** *argentea* Kozhantshikov,1930 Original Reference: *Agrotis argentea* Kozhantshikov,1930, Dt. ent. Z., Iris 43: 185. Type ♀: Turkestan (ZIN). Range (in code): TR IR Elb Th Kdj Ara Ma AM Cc KG Tg TM Kp 65 65D
- 346) *Dichagyris (s.str.) elbursica (Draudt,1937)* (Noctuidae) Synonym(s):** *elbursica* Draudt,1937 Original Reference: *Rhyacia elbursica* Draudt,1937, [in] Seitz,A., Die Gross Schmett. Erde 3 (suppl.): 250. Syntypes: Iran: Elbursgebirge. Range (in code): IR Elb Fa Ss Kh Ke Lo Go Th Dam Km Kd TR Cc AF TJ Pm Chr UZ IL Pa He 30 36 65 30B 30Be 30Bf 30Bg 36F 65Bx 65D 65Dd 65F 65Fa 65G 65Ge 65K
- 347) *Dichagyris (s.str.) erubescens (Staudinger,1892)* (Noctuidae) Synonym(s):** *erubescens* Staudinger,1892 Original Reference: *Agrotis renigera* var. *erubescens* Staudinger,1892, Dt. ent. Z., Iris 4 (2): 268. Syntypes: [Türkei]: Aintab [=Gaziantep], Mardin, Malatia. Range (in code): TR GR IR Kh AF Srb LB Bsa IL Pa SY Bld JO Sn EG IQ 01 06 07 24 25 27 30 33 42 44 46 47 50 51



56 58 63 65 06B 06R 06Ra 07K 27B 30B 30Bj1 33O 47D 50G 50Gb 56F 56Fb 56Fv 56Fc 56Fs 56Fç 56Fv  
58N 65D 65Dh 65Fr 65Fp 65Fz 65N 65Np 65Np1 65Np2 65Nm

Material studied: 1♂. Turkey Van Prov., Çatak 3km NNE (65Dh) 1500m, 21 6 2004 M. Kemal & A.Koçak  
leg. (Cesa) (Fig. 50).



**Fig. 50** – *Dichagyris erubescens*. Turkey Van, Çatak, 21 6 2004 M. Kemal & A.Koçak (Cesa)

- 348) *Dichagyris* (s.str.) *forficula* (Eversmann,1851)** (Noctuidae) Synonym(s): *forficula* Eversmann,1851 Original Reference: *Agrotis forficula* Eversmann,1851, Bull. Soc. imp. Nat. Moscou 24 (2): 629-630. Type: "Géorgie". Range (in code): GR RU TR Cc AM GG RU Kr St Ich Ing Da LB IQ IR Ab Mak Oru Sdt Ss Fa Ke Es By Yas Km Kz Kd Mrv Snj Sqq Shr Yas Hz B-A Kh Elb Th Mz Kdv Dam Plr Ab Ak AF Hr Pli Gbh 01 03 04 07 08 12 13 18 24 25 29 28 30 33 36 38 42 49 50 51 58 60 65 13B 13G 13Gü 13Gw 50G 50Gc 50Gd 65D 65Di 65F 65Fa 65Fp 65Fz 65K 65Kl
- 349) *Dichagyris* (s.str.) *melanura* (Kollar,1846)** (Noctuidae) Synonym(s): *melanura* Kollar,1846 Original Reference: *Agrotis melanura* Kollar,1846, [in] Carrara, La Dalmazia descritta: 99. Type(s): Dalmatia: Dubrovnik (Ragusa). Range (in code): RO YU MK BG GR Cr RU MD UA BY TR Cc CY IR LB SY Dms IL Pa He JO 01 04 05 06 08 13 24 25 29 30 40 42 44 46 50 51 56 58 62 65 68 70 01D 04C 05A 06Y 06Yb 08H 08Ha 08Hb 13A 25A 25C 25Ca 25F 25R 29F 30B 30Bd 30Bx 40D 42B 42R 42Rd 44I 50G 50Gc 50Gd 51B 51Ba 56F 56F1 56Fs 56Fb 58G 58Gi 58N 58R 65D 65Dn 65Dv 65F 65Fa 65Fm 65Fp 65Fz 65L 65Lb 68B 68Bb 70A 70Ac
- 350) *Dichagyris* (s.str.) *squalidior* (Staudinger,1901)** (Noctuidae) Synonym(s): *squalidior* Staudinger,1901 Original Reference: *Agrotis squalorum* var. *squalidior* Staudinger,1901, Cat. Lep. palaearkt. Fauneng. 3(1): 146. Syntypes: [Türkei]: Taurus c. & m. or. Range (in code): LB SY Dms TR Cc AM GG Bjo IQ Slf IR Fa Ke Elb Th Ab Sdt Sqq Mrv Oru Snj Kd Lo Ab Ak Kz Kh KuB Zj AF Hk TM RU Ao Ro Da 01 03 08 12 23 25 30 36 42 44 46 50 56 58 65 75 01K 08H 08Hb 23I 25C 25Ca 30B 30Bx 30Bc1 30Bd 30Be 30Bf 30Bi 30Bj 30Bg 30D 30Da 42B 44E 50G 50Ga 50Gc 56F 56Fq 56Fs 58G 58Gi 58N 65Bx 65D 65Dn 65Dx 65E 65F 65Fa 65Fp 65Fz 65G 65Ge
- 351) *Drasteria* *cailino* (Lefèbvre,1827)** (Noctuidae) Synonym(s): *cailino* Lefèbvre,1827; *caylino* Lederer,1857 Original Reference: *Heliotis cailino* Lefèbvre,1827, Mém. Soc. linn. Paris 6: 94-96, pl.5 fig.1. Type(s): [Italia]: Sicilia. Range (in code): MA PT ES Mu FR Si IT RO YU AL BG GR TR IL Pa LB Bsa SY IQ Dia Ry Rwz Brs RU R Ro Da AF Kab Nu Bsg Hr Bd Adr IR Bk Ke Ha Es Lo Fa Ss Kh Elb Th Dam Kz Skh Yas Sqq Kd Snj Km Hz AZ Kir Nv Ord Cc GG AM KG Ssn Lps At CN Ui Ga Au Pm Tk Dj KK Ik Skm PK SA YE Ab Sdt Kd Snj Bjr Zj Bne Mrv DZ BSa Ktr Orn Bsk Onç TN Gf 01 03 04 05 06 08 13 14 18 21 24 25 29 30 33 42 44 45 46 50 51 56 58 60 62 65 66 69 73 05A 06R 06Rb 13A 13Ab 13Ax 13G 13Gü 13Gw 21N 21Nb 21Nh 30D 30Dx 30Dp 42J 42X 42Xa 56F 56F1 58N 65D 65Dj 65F 65Fa 65Fp 65Fz 73D 73Df 73Dfc
- 352) *Drasteria* *caucasica* (Kolenati,1846)** (Noctuidae) Synonym(s): *caucasica* Kolenati,1846; *astrida* Eversmann,1856; *aksuensis* Fuchs,1903. Original Reference: *Euclidia caucasica* Kolenati,1846, Meletemata Ent. 5: 104. Syntypes: [Georgia]: Caucaso Lhesgico & Iberia. Range (in code): RO AZ Kir Hkd Nv Ord Bak GG Smt Akh AM Cc RU To Ro Kr Ich Kyi Da TR IR Fa Ha Elb Th Kdj UZ Fe Man Nmg CN Ui Khr Ku Au KK Ik Osh Skm KG Dsa Uk Tk Dj Aa AF Hr Srb Blh Pli Bd Bark TJ Pm Chr 13 21 23 24 25 30 36 42 44 50 51 58 65 73 13A 13B 21N 21Nb 25T 30B 30Bd 30Bx 30Bg 36D 36Db 44L 51D 58G 65B 65Bo 65Bx 65D 65Dv 65F 65Fr 65Fp 65Fz 65K 65Kl 65Ku 65L 65Lb 65N 65Np 65Nm 73A 73Ad 73Ad2
- 353) *Drasteria* *saisani* (Staudinger,1882)** (Noctuidae) Synonym(s): *saisani* Staudinger,1882; *clara* Staudinger,1895; *#zaisani* John,1910. Original Reference: *Leucanitis saisani* Staudinger,1882, Stettin ent. Ztg. 43:53. Syntypes: [Kasachstan]: Saisan. Range (in code): RU Da KG Tar Ssn Tk Dk

TR IR Kh KuB Elb Th Diz Dam Plr KK Ik T-A Feg Skm CN Ui Ii AF Nu Bsg AZ Kir Nv Ord Cc TM Kp UZ  
N-A 01 04 06 08 12 13 21 25 30 33 36 42 44 47 49 50 51 56 58 65 66 06B 06Bb 06C 06Cb 06R 06Re 08H  
13A 21L 21Lc 30B 30Bd 30Bx 30Bg 30D 30Da 33R 36D 36Db 36F 49E 49Ea 56F 58G 65C 65D 65F 65Fp  
65Fz 65K 65Kb 65Kl

**354) *Dysgonia algira* (Linnaeus,1767) (Noctuidae)** Synonym(s): *algira* Linnaeus,1767; *achatina* Sulzer,1776; *alterna* Villers,1789; *triangularis* Hübner,[1803] *nec* Thunb.,1784; *albiivitta* Guenée,1852; *festina* Walker,1858; *olympia* Swinhoe,1885; *europa* Schawerda,1912 Original Reference: *Phalaena algira* Linnaeus,1767, Syst. Nat. (Edn.12) 1: 836. Type(s): Algeria. Range (in code): Cn MA DZ PT ES Mu FR Co Sa Si IT MT GB DE CH AT PL SK HU RO YU AL GR Cr Rd TR Cc CY IQ Akr Bsr Amr DK RU Am MD UA BY KK TM AF IR Fa LB Bsa IL Pa SY JO UZ Fe CN KP KR JP ZA Tva Lpo Spb Mdk Mpu Brb Gau Pre Nta Kzu Dbn Ec Grh SL NG ZR KE YE Ad MU IN CN PK LK Kndy Pdy MM Ab Elb Mz Th AZ Nu Ord Der Len AM GG Cc Ro Kr St Ich Da CV Cp Sdt Gls Agi Hmk Hrh DhM TN Dzc Ges Afr Perr Afl Orn Ktr Bsk Sbd Abe Clo 01 05 07 08 10 13 16 17 18 21 22 28 30 31 33 34 35 39 40 42 44 45 48 50 52 56 61 62 63 65 73 05A 07B 16A 21N 21Nb 30D 30Dt 31K 31Ka 31Ka3 33A 33Ac 39K 44I 44Ic 48D 50G 50Gd 56F 56Fv 56Fç 56Fa 56Fm 56Fc 61K 61Ka 63D 65D 65Ds 65Du 65Dv 73D 73Df 73Dfc

**355) *Earias insulana* (Boisduval,1833) (Noctuidae)** Synonym(s): *insulana* Boisduval,1833; *smaragdinana* Zeller,1852; *frondosana* Walker,1863; *xanthophila* Walker,1863; *siliquana* Stainton,1865; *simillima* Walker,1866; *chlorion* Rambur,1866; *gossypii* Frauenfeld,1867; *anthophilana* Snellen,1879; *trigostrigosa* Butler,1881 Original Reference: *Tortrix insulana* Boisduval,1833, Fauna Ent. Madag. 1833: 121, Pl. 16,9. Type: Mauritius. Range (in code): MA DZ Bsk TN LY Cn PT ES An Mu FR Si IT MT GB BG GR Cr TR CY RU IQ Agh Bgd IR Fa Ke Hz Ss Elb Th Kdj Mz Lo B-A SY IL Pa Hf JO LB EG SA OM SD Sk ET ET29 AF Ca Arh PK Sd Krc Cp JP IN PH Luz TH TW ID Clb Bor Swk AU ZA Nta Kzu Est Fs Tva Gau Jh Pre Ec Cto MZ Ad YE47 SO Zai MG MR Abe TD Tbt 31 48 56 58 63 65 48G 48Gb 56E 56Eh 56F 56Fq 56Fv 56Fç 58N 63E 65D

**356) *Episema korsakovi* (Christoph,1885) (Noctuidae)** Synonym(s): *korsakovi* Christoph,1885; *paenulata* Christoph,1885. Original Reference: *Agrotis korsakovi* Christoph,1885, [in] Romanoff, Mem. Lep. 2: 44, fig. Syntypes: [Aserbaidjan]: Helenendorf [=Kirovabad]. Range (in code): RO YU BG GR Cr TR CY Cc AZ Kir AM GG Smt Bjo RU Kr SY CY IL Js Pa IR Gh Elb Fa 01 06 08 10 14 17 21 23 36 42 44 45 46 50 51 56 58 65 06C 06Cb 06E 06Ea 06R 06Rq 06Y 06Yb 21F 23I 36F 36Fb 44E 44F 44Fb 50G 51B 51Bc 56F 56Fb 56Fv 56Fm 56Fç 56Fq 56Fj 58G 65D 65F 65Fp 65Fz 65K 65Kd 65Kg 65N 65Np 65Np8 65Nm

**357) *Eremobia asiatica* Draudt,1936 (Noctuidae)** Synonym(s): *asiatica* Draudt,1936 Original Reference: *Eremobia ochroleuca* ssp. *asiatica* Draudt,1936, Ent. Rdsch. 53: 492. Holotype ♀: [Türkei]: Ak-sehir (Sultan Dag). Range (in code): BG GR TR Cc IR Fa Elb Th Plr Es Zj Kd Snj Bne 03 05 06 17 25 30 32 36 42 51 58 65 30B 30Bd 30Bc1 30Bx 65D 65Dl 65Dlc 65F 65Fm 65Fp 65Fz

**358) *Eublemma (bulla-gr.) suppurum* (Staudinger,1892) (Noctuidae)** Synonym(s): *suppura* Staudinger,1892 Original Reference: *Thalpocares suppura* Staudinger,1892, Dt. ent. Z., Iris 4: 320. Syntypes: [Türkei]: Mersin, Taurus, Gjaur Dag, Malatia. Range (in code): TR LB Bei Bsa 01 07 13 23 31 33 44 46 47 63 65 13G 13Gn 13Gw 23G 23Ga 33R 33N 44L 46G 63E 65B 65Bo 65Bx 65D 65Dp 65F 65Fp 65Fz 65G 65Ge 65Gü

**359) *Eublemma (candidana-gr.) aureolum* Fibiger & Hacker,2002 (Noctuidae)** Synonym(s): *aureola* Fibiger & Hacker,2002 Original Reference: *Eublemma aureola* Fibiger & Hacker,2002, Esperiana 9: 262-263, figs. Holotype ♂: Turkey, [Kahramanmaraş] "Prov. Malatya 20km SE Elbistan, Nurhak Dag 1900m" (coll.Fibiger). Range (in code): AM Cc TR IR Elb Th Mz Ab Kdj Mha Sdt Mrv Kd Snj Sqq Mha 04 08 13 24 25 29 46 47 50 58 65 73 46H 65D

**360) *Eublemma (candidana-gr.) minutatum* (Fabricius,1794) (Noctuidae)** Synonym(s): *minutata* Fabricius,1794; *noctualis* Hübner,1796; *paula* Hübner,[1809]. Original Reference: *Phalaena minutata* Fabricius,1794, Ent. Syst. 3 (2): 205. Type(s): Halae [Halle]. Range (in code): ES FR Co IT BE DE CH AT PL CZ SK RO YU AL BG GR AM TR Cc GG Lag AZ Nv Ord DK NO SE FI EE LV LT RU Ro Ich MD UA BY LB Bsa 08 13 18 24 25 36 42 44 46 50 56 60 65 76 13A 13Ab 13Ax 36D 36Db 44L 44Lc 56F 56Fc 56Fs 56Fq 65D 65Dh 65N 65Nb 65Np1 65Nm 76B 76Bb 76C

**361) *Eublemma (ostrina-gr.) ostrinum* (Hübner,[1808]) (Noctuidae)** Synonym(s): *ostrina* Hübner,[1808]; *carthami* Herrich-Schäffer,[1851]; *aestivalis* Guenée,1852; *numida* Lucas,1849; *thasia* Koutsaftikis,1973. Original Reference: *Noctua ostrina* Hübner,[1808], Samml. eur. Schmett. 4, Noctuae: Tab.85, fig.399. Type(s): Europa. Range (in code): Cn PT ES Mu FR Co Sa Si IT MT IE GB NL DE CH AT HU RO YU AL BG GR Cr Rd CY TR AZ Kir Cc RU Ro St Nt Ich Ing Da MD UA SY JO IL Hf Pa LB Bsa IQ Brs Ry Rwz Dia Agh Bgd IR Fa Hz Ss Ke Mz Elb Kd Km Snj Lo Mia Kz Yas Kaz Shr Hz B-A AF Bsg Nu IN PK MN KG Tk Dj Gg Sdt Gls Hrh Ges Dzc DhM Ktr Afr Bdj Bsa BtNa Abe Sbd Khh Hmk Ahr Gha Bsk Gf Orn Tlm Rbt Phv Hes Lbs Clo DZ MA Tgr 01 05 07 08 09 10 13 16 21 31 33 35 44 46 48 50 51 56 58 60 62 63 64 65 66 05A 07C 13B 13Bg 13G 13Gy 13Gü 13Gw 16A 21N 21Nh 31K 31Ka 31Ka3 31Ka5 44I 44Ic 44L 44Lc 48L 56E 56Eh 56F 56Fc 56Fb 56Fv 56Fj 56Fm 56Fö 58N 63E 65D 65Dh 65K 65N 65Nc 65Nc4 65Np2 65Np6 65Nm

**362) *Eublemma (pallidula-gr.) pallidulum* (Herrich-Schäffer,1856) (Noctuidae)** Synonym(s): *pallidula* Herrich-Schäffer,1856 Original Reference: *Anthophila pallidula* Herrich-



Schäffer, 1856, Syst. Bearb. Schmett. Eur. 6: 178. Type: [Turkey]: "Amasia". Range (in code): DZ Ath Gle Omy RU Ro TR Cc AZ Nv Ord BH IR Elb Lo Kd Snj Kz Yas CY TM UZ Fe KK Ik Na CN Ui Ii LB Bsa SA AF PK Gg Jug NG 01 05 12 13 23 24 25 30 36 42 44 47 50 51 56 58 62 65 66 73 76 05A 13B 13C 13Cf 13G 13Gw 23G 23Ga 25R 36F 42J 42X 42Xa 44I 47D 56F 56Fc 56Fm 58G 65D 65G 65Gv 65Gz 65K 65Kd 65Kg 65L 65Lb 65N 65Np2 65Nr6 65Nm 73C 73Cd 76C

**363) Eublemma (parva-gr.) parvum (Hübner, [1808])** (Noctuidae) Synonym(s): *parva* Hübner, [1808]; *rubefacta* Mabille, 1869; *chalybea* Swinhoe, 1884; *nymphodora* Meyrick, 1902. Original Reference: *Noctua parva* Hübner, [1808], Samml. eur. Schmett., Noctuae: Taf. 77 fig. 356. Type(s): [Europa]. Range (in code): MA DZ TN LY EG SD PT ES Mu FR Co Sa Si IT MT IE GB BE NL DE CH AT CZ SK HU PL YU AL BG GR Cr CY TR DK RU MD UA IL Hf SY IQ Brs Ry Rwz Dia Agh Amr LB Bsa JO SA IR Ab Mrd Elb Th Kdj Kd Sqq Mak Fa Ss Kh Bk Ha AF Hr Srb Gbh Kab Ca Dwe Arh PK IN TH ID ZA YE Ad AU Snj Mia Km Kz Yas Hz B-A Cc St Da Len AZ Nv Ord Bne Mrv Hrh Ges Perr Sfr Sbd Abe Btma Clo Tgr Hes 01 05 07 08 13 16 25 31 33 46 47 48 50 56 58 63 65 80 05A 07C 13A 13Ab 13Ax 16A 31K 31Ka 48L 56E 56Eh 56F 56Fm 56Fö 58N 63E 63L 65D 65Dg 65F 65Fp 65Fz 65N 65Nc 65Nc4

**364) Euchalcia dorsiflava (Standfuss, 1892)** (Noctuidae) Synonym(s): *dorsiflava* Standfuss, 1892 Original Reference: *Plusia emichi* var. *dorsiflava* Standfuss, 1892, [in] Romanoff, Mém. lép. 6: 666-667, Pl. xv fig. 6. Type(s): [Türkei]: Mardin (P. Sintenis). Range (in code): TR 13 21 30 31 38 47 49 56 58 65 73 13G 13Gg 13Gü 13Gw 21L 21Lc 30B 30Be 30Bj 30Bl 30D 30Da 47D 47F 4Fa 56F 56F5 56Fc 58G 65D 65Dh 65F 65Fa 65Fe 65Fm 65Fg 65Fr 73D 73Df 73Dfc Material studied: 1♂. Turkey Van Prov., Çatak 3km NNE (65Dh) 1500m, 21 6 2004 M. Kemal & A. Koçak leg. (Cesa) (Fig. 51).



**Fig. 51** – *Euchalcia dorsiflava*, from Turkey Van, Çatak, 21 6 2004 M. Kemal & A. Koçak (Cesa)

**365) Euclidia glyphica (Linnaeus, 1758)** (Noctuidae) Synonym(s): *glyphica* Linnaeus, 1758; *pratensis* Müller, 1764 Original Reference: *Phalaena glyphica* Linnaeus, 1758, Syst. Nat. (Edn. 10) 1: 510. Type(s): [Europa]. Range (in code): PT ES FR Co Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL MK BG GR TR AZ Len AM GG Lag Smt Bjo Cc IR GlS DK NO SE FI EE LV LT RU Ro Kr St Nt Ich Ing Da MD UA BY CN Ui Ku 01 05 06 11 12 13 14 16 19 25 30 37 38 39 44 49 54 58 61 65 67 75 76 05A 06A 06Aa 12A 12Ab 13Gö 13Gg 16A 25A 30C 38H 38Hc 44A 44Ab 49F 49Fb 65D 65Dj 65Dn 75F 75Fg 75Fj 76B 76Bf 76Bh

**366) Eulocastra diaphora (Staudinger, 1879)** (Noctuidae) Synonym(s): *diaphora* Staudinger, 1879; *triangularis* W. Warren, 1888; *atribasalis* Hampson, 1896; *laticincta* Staudinger, 1898. Original Reference: *Erastria* ? *diaphora* Staudinger, 1879, Horae Soc. ent. ross. 14: 415-416. Type ♀: [Türkei]: Amasia (Kerasdere). Range (in code): Cn MR MA DZ Ajj Ah Hes Omy Bsk TN RU TR YE Ad PK Cc GG AZ Nv Ord AM IR Fa Hz Ss Kd Bjr Zj Bne Mrv Lo Snj Ab Oru Mak Hz B-A Chh AF IQ IL Pa SA LB SY JO Sn EG ER PK Cp IN 05 06 08 09 13 18 24 25 30 33 36 42 44 47 50 51 58 65 69 70 73 76 05A 30B 30Be 30Bi 30Bj 36D 36Db 44E 44Eh 47D 58G 58N 65B 65Bo 65Bx 65D 65F 65Fp 65Fz 65L 65Lb 65N 65Np2 65Nm 70C 70Cf 73C 73Cd 76D 76Dd

**367) Eupsilia transversa (Hufnagel, 1766)** (Noctuidae) Synonym(s): *transversa* Hufnagel, 1766; *satellitica* Linnaeus, 1767 Original Reference: *Phalaena transversa* Hufnagel, 1766, Berl. Mag. 3(3): 418. Type(s): [Germany]: Berlin. Range (in code): ES FR Sa IT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT AM GG Smt Bjo Lag RU Cc Ro Kr Nt Kb Ich Da At Sb Am Us MD UA BY IR Elb Th GlS Kdv KG KP KR JP 07 14 25 33 56 62 65 14B 14Bb 25F 56F 56Fs 62G 62Gb 65D 65Dlc

- 368) Eutelia adoratrix (Staudinger,1892)** (Noctuidae) **Synonym(s):** *adoratrix* Staudinger,1892  
Original Reference: Eurhipia adoratrix Staudinger,1892, Dt. ent. Z., Iris 4: 308. Syntypes ♂♂:  
[Libanon]: Beirut; [Türkei]: Amasia; Lectotype ♂, designated by Hacker (2001, Esperiana 8: pl.7  
fig.18) from Beirut (NHMU). Range (in code): YU GR TR Cc LB Bei IL Pa Js JO RU UA Cm IQ IR Th  
Elb Kdj Fa Mia Ss Hz B-A Kz Yas 05 06 08 17 18 20 21 30 31 56 60 65 05A 06R 08H 21N 21Nb 21Nh 30B  
30Bf 30Bh 31K 31Ka 56F 56Fa 65D 65Dh
- 369) Eutelia adulatrix (Hübner,[1813])** (Noctuidae) **Synonym(s):** *adulatrix* Hübner,[1813]  
Original Reference: Noctua adulatrix Hübner,[1813], Samml. eur. Schmett. 4, Noctuae: Tab.111  
fig.517. Type(s): Europa. Range (in code): Cn MA DZ TN LY EG PT ES Mu FR Co Sa Si IT MT CH PL  
SK HU RO YU AL BG GR Rd Cr TR IR Fa Lo OM RU AZ Kir GG Smt Bjo Lag Cc Ro Kr Ich Da UA Cm CY  
IL Pa Hf LB SY JO IQ ZA Tva Lpo L Nta Kzu ZW BW KE TZ UZ Fe AF Pli Srb Nu Bsg Kab PK KK KG TM  
IN Hrh Agi Hmk Abe DhM Sét Ktr Bsk BSa Ges Sbd Hes 01 05 06 07 08 10 14 16 17 18 21 24 30 31 32 33  
35 42 46 50 55 56 58 65 80 05A 06R 16A 21N 21Nb 31K 31Ka 31Ka5 31Ka7 56F 56Fh 56Fa 56Fb 56Fv  
56Ff 65D 65Dlc
- 370) Euxoa (s.str.) conspicua (Hübner,[1824])** (Noctuidae) **Synonym(s):** *conspicua*  
Hübner,[1824]; *agricola* Boisduval,1829; *lycarum* Herrich-Schäffer,1846; *abditata* De Joannis,1891; *#indistincta*  
Strand,1915; *osthelderi* Corti,1931; *complicata* Corti,1931. Original Reference: [Noctua] conspicua  
Hübner,[1824], Samml. eur. Schmett. 4: pl. 154 figs. 718, 719. Type: Europe [date of publ. from  
Heppner (1982: 100)]. Range (in code): PT ES FR Co IT RO YU BG GR TR Arr GG Akh Smt Bjo Tbl  
Lag Cc AZ Kir Hkd RU Ro Kr St Kc Kb Nt Ich Ing Da Kyi MD UA BY MN KG Tks Ssn Na Tk Dj KK TrA  
UZ IR Ab Ak Mz Th Kd Ha Fa Ss Kh Ke Ha Mz Enz CN Ui Ku Ii Kml AF Blh Arh Srb IQ Tkr LB Bsa PK  
IN Hp Sb SY CY Nv Ord Da Der Kus Oru Khy Mar GlS Bbu Sai Nar 01 03 04 05 06 13 18 23 24 25 30 33  
36 38 42 44 45 46 50 51 58 60 62 65 66 70 71 75 76 01K 03E 04C 05A 06R 06Rb 06Rk 06Y 06Yb 13A  
13Ab 13Ae 13Ax 13G 13Gü 13Gw 18F 25A 25C 25Ca 25R 30D 30De 36F 38C 38Cb 38G 38Ga 42R 42Rc  
44I 45P 50G 50Ga 50Gb 50Gc 51B 51Ba 58G 58N 58R 60C 62G 65D 65Dh 76C 65D 65Ds 65Du 65F  
65Fa 65Fg 65Fm 65Fp 65Fz 65G 65Ge 65K 65Kl 65L 65Lb 65N 65Np2 65Nm 66P 75E
- 371) Exophyla rectangularis (Geyer,[1828])** (Noctuidae) **Synonym(s):** *rectangularis*  
Geyer,[1828]; *#rtangularis* Lehmann, Hacker et al.,1998 Original Reference: Noctua rectangularis  
Geyer,[1828], [in] Hübner, Samml. eur. Schmett. 4, Noctuae: Tab. 159 figs.743,744. Syntypes:  
Europa. Range (in code): IT YU HV AL BG GR TR AZ Kir AM GG Cc RU UA RO LB Bsa IL Pa TM Kp  
UZ KG 05 07 21 29 30 31 42 56 65 05A 21N 21Nh 29A 29Ad 30B 30Bd 30Bx 30Bf 42B 56E 56Ea 65D  
65Dv (Figs. 5-7)
- 372) Grammodes stolidia (Fabricius,1775)** (Noctuidae) **Synonym(s):** *stolidia* Fabricius,1775;  
*cingularis* Hübner,[1808]; *stupidia* Herrich-Schäffer,1851; *curvilinea* Walker,1869. Original Reference: Noctua  
stolidia Fabricius,1775, Syst. Ent.:599. Type(s): India orientali. Range (in code): DZ TN Gf PT ES  
Mu FR Co Sa Si IT MT IE GB DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR DK SE FI EE LT RU  
MD UA Cm BY GG AZ AM Cc IQ IR Fa Ss LB IL Pa EG Sa IN AF Nu Bsg PK Bl Bol ZA Tva Lpo Spb Mdk  
Gau Pre Jh AU SL ZR ET ET24 SD KE NA Nta Kzu Ec Ye Ad Mz GlS Ak Mrd Lo Mia Kaz UZ N-A Ro Kr  
Kb Nt Da Kyi BW Dmr Nga Cp C-P Mh Nsk Gha Ges BSa Out Btina Dzc Agi Ktr Abe Sbd Bsk Onç Ah TD  
Tbt 01 05 06 07 08 09 16 18 33 35 36 39 44 56 62 63 65 73 76 05A 07B 09K 09Ka 16A 35U 36D 36Db 44I  
44Ic 44L 44Lc 56F 56Fo 56Fa 56Fç 56Fö 56Fv 56Fj 56Fm 62H 63D 65D 65Dv 65F 65Fa 73D 73Df 76B  
76Bb
- 373) Hadena (Anepia) perplexa ([Denis & Schiffermüller],1775)** (Noctuidae)  
**Synonym(s):** *perplexa* [Denis & Schiffermüller],1775; *lepida* Esper,[1790] *nec* Cr.,[1779]; *carpophaga*  
Brahm,1791; *ochracea* Haworth,1809; *capsophila* Boisduval,1840; *nisus* Germar,[1842]; *repanda* Herrich-  
Schäffer,[1850]; *atlas* A.E.Prout,1929; *sicula* Draudt,1933 Original Reference: Noctua perplexa [Denis &  
Schiffermüller], 1775, Ankündigung syst. Werkes Schmett. Wienergegend: 313. Type(s): [Austria]:  
Vienna district. Range (in code): MA DZ Cn PT ES An FR Co Sa Si IT IE GB BE NL LU DE CH AT PL  
CZ SK HU RO YU AL BG GR Cr TR DK NO SE FI EE LV LT RU Sb At MD UA Cm BY KG At Sb KK CN Ui  
Ku TJ Pm Tk AF Pag Adr IR Kh Fa Sse Elb Th Kdj Plr Dam Ab Mak TM Kp JO LB Bsa IL Pa IQ JO PK  
AZ AM GG Cc TrA UZ Fe IN Ld Ro St Kb Nt Ing Da CY Kir Lag Nv Ord Khy BSa Sbd Ahr Hrh Btina Khh  
Ges Abe 01 04 05 06 07 11 13 14 16 18 20 24 25 29 30 32 33 35 36 42 46 47 48 49 50 51 58 60 63 65 75  
01H 05A 13A 13Ab 13Ax 13G 13Gü 13Gw 16A 58N 65D 65F 65Fa 65Fr 65L 65Lb
- 374) Hadena (Enterpia) laudeti (Boisduval,1840)** (Noctuidae) **Synonym(s):** *laudeti*  
Boisduval,1840; *cretacea* Eversmann,1847; *loudeti* Spuler,1907 Original Reference: Cleophana laudeti  
Boisduval,1840, Genera Index Meth. Eur. Lep.: 152. Type: Valesia. Range (in code): ES FR IT CH  
YU BG GR TR AM AZ Kir Cc RU Ro Da Ahy Sr IL Pa SY LB Sn EG JO IQ IR Ab Mak Ak Mar Ha Elb Th  
Kdj Dam Mz TM Kp UZ KG 01 04 05 13 30 33 35 36 42 44 46 50 51 58 60 63 65 70 05A 13C 13Cf 30B  
30Bd 30Bx 30Bg 30Be 30D 30Da 36D 65Bx 65D 65Dx 65F 65Fa 65G 65Ge
- 375) Hadena (Pinkericola) tephroleuca (Boisduval,1833)** (Noctuidae) **Synonym(s):**  
*tephroleuca* Boisduval,1833 Original Reference: Polia tephroleuca Boisduval,1833, Anns Soc. ent. Fr.  
1833: 374, Pl.14,fig.4. Syntypes: Chamouny, Lausanne. Range (in code): ES FR Co IT DE CH AT AL



BG GR TR Cc AZ AM GG RU Ro Kb Nt Kc Ing Da UA IR Elb Mz Th Diz Plr Dam Kd 04 06 13 14 18 20 24 25 28 30 32 33 36 38 42 46 48 49 50 51 58 60 65 66 13D 14B 14Bb 58N 65Bx 65D 65F 65Fa 65G 65Ge

376) **Hadena (s.str.) chrysographa Hacker,1996** (Noctuidae) Synonym(s): *chrysographa* Hacker,1996 Original Reference: *Hadena* (*Hadena*) *chrysographa* Hacker,1996, *Esperiana* 5: 211-212, figs. Holotype ♂: Türkiye: Agri Prov., [Eleşkirt]: 5km E of Sarican, 1800m, leg. & coll. Hreblay. Range (in code): TR AZ Cc AM IR Zj Ha 04 08 25 29 36 65 75 04D 65B 65Bk 65D 65Dd

377) **Hadena (s.str.) filigrana (Esper,[1788])** (Noctuidae) Synonym(s): *filigrana* Esper,[1788]; *filigrama* auct.; *polymita* Hübner,[1803]; *xanthocyanea* Hübner,[1819]; *flavivibica* Hübner,[1821]. Original Reference: *Phalaena filigrana* Esper,[1788], *Die Schmett.* 4(2/1): Taf.130, fig.4. Type(s): Inspruk. Range (in code): MA PT ES FR Co Si IT BE DE CH AT PL CZ SK HU RO YU AL BG GR TR DK SE LV LT RU St Nt Ur Sb At MD UA BY KG Ssn DsA KK Ik Cc AM GG Aba Smt Bjo Tbl UZ Fe CN Ui Ii 05 06 08 25 33 36 50 51 60 65 05A 65Bx 65D 65Dg 65F 65Fa 65G 65Ge (Fig. 52)



**Fig. 52** – *Hadena filigrana*, ♂. Turkey, Van Prov., Çatak 3km NNE 1500m, 21 6 2004, M Kemal & A. Koçak leg. (Cesa)

378) **Hadena (s.str.) gueneei (Staudinger,1901)** (Noctuidae) Synonym(s): *gueneei* Staudinger,1901; *guenei* Hampson,1905 Original Reference: *Dianthoecia gueneei* Staudinger,1901, *Cat. Lepid. Palaearkt. Faunengeb.* 3(1): 163. Syntypes: Zypern, Taurus, Antiochia, Mardin, Bithynien. Lectotype ♀: Turkey: Mardin, designated by Hacker,1996 (NHMU). Range (in code): IT B-H HV MK GR CY TR IL Pa AZ AM Cc IR Lo Kh Elb Th Plr Kz Yas Fa IQ TM 01 03 04 06 08 12 13 16 18 24 25 30 31 33 36 42 46 47 50 56 58 65 66 71 80 06K 06Kb 06R 13A 13Ab 13Ax 13G 13Ge 16A 30B 30Bg 30Bh 30Bj1 36D 56F 56Fö 58N 65Bx 65D 65F 65Fa 65Fr 65Fp 65Fz 65G 65Ge 65N 65Np6 65Nm (Fig. 53)



**Fig. 53** – *Hadena gueneei*, ♂. Turkey, Van Prov., Çatak 3km NNE 1500m, 21 6 2004, M Kemal & A. Koçak leg. (Cesa)

- 379) *Hadena (s.str.) lucida* (Brandt,1938)** (Noctuidae) Synonym(s): *lucida* Brandt,1938  
Original Reference: *Harmodia luteocincta* ssp. *lucida* Brandt,1938, Ent. Rdsch. 55: 505, figs. 115-117. Type ♂: Iran: [Fars]: Com×e. Range (in code): **TR IR Fa Com By Es Elb Mz Dam Kd 30 65 30B 30Be 30D 65Bx 65D 65Dx 65F 65Fa 65Fe 65G 65Ge**
- 380) *Hadena (s.str.) magnifica* Hacker,1996** (Noctuidae) Synonym(s): *magnifica* Hacker,1996  
Original Reference: *Hadena magnifica* Hacker,1996, Esperiana 5: 148, Taf.E fig.9. Holotype ♂: [Şırnak Prov.]: Tanin Dağları, Elkek geçidi 1820m (Coll.Hacker). Range (in code): **TR IR Lo Th Elb Kdj Ak Ab 25 30 65 73 65D 65Dg 65G 73C 73Cd (Fig. 54)**



**Fig. 54** – *Hadena magnifica*, ♂. Turkey, Van Prov., Çatak Darboğaz 2000m, 6 6 2004, M. Kemal & A. Koçak (Cesa)

- 381) *Hadena (s.str.) magnolii* (Boisduval,1828)** (Noctuidae) Synonym(s): *magnolii* Boisduval,1828; *nummosa* Eversmann,1844. Original Reference: *Polia magnolii* Boisduval,1828, Eur. Lépid. Ind. Meth.: 73. Type(s): Gallia meridionalis. Range (in code): **DZ Hmk PT ES An FR Co Si IT DE CH AT SK HU RO YU HV AL MK BG GR Cr TR TM IR By Yas Es Fa Lo Ha Elb Th Dam Kd Kh Cc GG Tbl Smt Bjo Mng AZ Kir AM LB Bsa UZ N-A KK KG RU Ro St Kb Nt Ing Da Sb At UA PK Ch Hu 01 04 05 06 09 13 14 18 21 24 25 29 32 33 36 42 44 46 49 50 51 56 58 65 66 05A 06R 06Rb 13A 13Ab 13Ax 13G 13Gü 13Gs 13Gw 21L 21Lc 42R 44L 44Lc 56F 56F1 56Fs 58R 65D 65Du 65F 65Fr 65Fp 65Fz 65Fm 65K 65N 65Np 65Np1 65Nm**
- 382) *Hadena (s.str.) pfeifferi* (Draudt,1934)** (Noctuidae) Synonym(s): *pfeifferi* Draudt,1934  
Original Reference: *Dianthoecia pfeifferi* Draudt,1934, Ent. Rdsch. 51: 93. Type: Libanon: Bscharre. Range (in code): **TR LB Bsa IQ IR Kd Snj SY Dms 25 30 65 69 73 30B 30Bh 65D 65F 65Fp 65Fz 73A 73Ab**
- 383) *Hadena (s.str.) thecaphaga* (Draudt,1937)** (Noctuidae) Synonym(s): *thecaphaga* Draudt,1937 Original Reference: *Harmodia thecaphaga* Draudt,1937, [in] Seitz,A., Grossschmett. Erde (Suppl.) 3: 253, pl.25 row k. Type: Persia, Elburz Mts. Kendevan Pass. Range (in code): **TR Cc AZ AM IR Elb Th Dam Kdv 04 30 36 38 46 65 73 30B 30Be 30D 65Bx 65D 65Dh 65F 65Fa 65G 65Ge 65K 65Ky1 73C 73Cd**  
Material studied: 1♀. Turkey Van Prov., Çatak 3km NNE (65Dh) 1500m, 21 6 2004 M. Kemal & A.Koçak leg. (Cesa) **(Fig. 55).**



**Fig. 55** – *Hadena thecaphaga*, ♀. Turkey Van, Çatak, 21 6 2004 M. Kemal & A.Koçak (Cesa)



- 384) *Hadena (s.str.) vanensis* Hacker,1996** (Noctuidae) Synonym(s): *vanensis* Hacker,1996  
Original Reference: *Hadena (s.str.) vanensis* Hacker,1996, *Esperiana* 5: 398-399, Taf.N fig.18.  
Holotype ♀: Türkei: Prov. Van: [Çatak]: Kayaboğaz [=Görentaş], 2.vi.1989 (leg. Podlussany) (HNHM). Range (in code): TR 65 65Bx 65D 65Dd 65F 65Fp 65Fz 65G 65Ge
- 385) *Hadula (Calocestra) mendax* (Staudinger,1879)** (Noctuidae) Synonym(s): *mendax* Staudinger,1879  
Original Reference: *Hadena mendax* Staudinger,1879, *Horae Soc. ent. ross.* 14: 383. Syntypes: [Türkei]: Amasia; Lectotype ♂, designated by Hacker (1998: 703) (MNHU).  
Range (in code): MK BG GR TR Cc AM AZ Nv IL Pa LB IR Ab Oru 01 05 06 07 13 16 18 20 24 25 27 29 30 31 33 36 37 38 42 46 49 50 51 56 58 60 65 66 70 05A 06R 06Ra 16A 25F 31K 31Ka 33G 50G 50Gb 56F 56Fs 58N 58R 65Bx 65D 65Dg 65F 65G 65Ge 65N 65Np 65Np1 65Np2 65Nm
- 386) *Hecatera bicolorata* (Hufnagel,1766)** (Noctuidae) Synonym(s): *bicolorata* Hufnagel,1766; *serena* [Denis & Schiffermüller],1775; *placida* Esper,[1791]; *hieracii* Bkh.,1793; *par* Donovan,1801; *monticola* Dup.,1826; *leuconota* Eversmann,1837; *intermedia* Walker,[1858]; *obscura* Staudinger,1861. Original Reference: *Phalaena bicolorata* Hufnagel,1766, *Berl. Mag.* 3(3): 410. Type(s): [Germany]: Berlin.  
Range (in code): DZ PT ES FR Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR DK NO SE FI EE LV LT RU Ro Kr St Kc Kb Ich Ing Da Sb At Am MD UA BY IR Fa Es Ke Mz Elb Th Kd Bne Mrv Hz AM AZ GG Lag Len Kir Cc CY LB Bsa IL Pa Hf SY KK Ax TrA Na Ges BSa Hmk Hrh Khb Bsk Agi 01 04 05 06 07 08 13 14 18 21 24 25 28 29 30 33 36 46 49 50 51 53 55 58 60 63 65 66 75 05A 06R 06Rh 113G 13Gy 21L 21Lc 21N 21Nh 30B 30Bd 30Bx 53B 55F 58R 65F 65Fa 65Fp 65Fz 65D 65Du
- 387) *Helicoverpa armigera* (Hübner,[1808])** (Noctuidae) Synonym(s): *obsoleta* auct. nec Fabr.,1775; *barbara* Fabricius,1794 [rejected]; *armigera* Hübner,[1808]; *pulverosa* Walker,[1857]; *uniformis* Wallengren,1860; *rama* Bhattacharjee & Gupta,1972. Original Reference: *Noctua armigera* Hübner,[1808], *Samml. eur. Schmett., Noct.* 2: Taf.79, fig.370. Type: [Europa]. Range (in code): Md Cn DZ MA TN PT ES Mu FR Co Sa Si IT MT IE GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU MD UA BY IR Fa Lo By Yas Ke CN Ui Ku PK Bl Qu AF Ca Gbh Hr Srb Kab Arh Dwe ZA Gau Pre Jh Tva Lpo Spb Mdk CA MX GT CR PA JM IQ JO IL Pa Rd US Tx Cf VE CV BR PE CL ZR SD KE Nta Kzu Dbn Mv Cto Ec Grh Wca Kny Cto YE Ad SY LB Bei JP Ch IN Hp Sml Gs Drm Cp Nl Ddu Up SI NP SG LK ID Ja NAu QAU Bri NSw Syd TS NZ Hw WS PC FJ TO EL NH SB PG AU MY Prk OW NC CY Agh Hf TH Cma CDo Cuo Cuo7 KK Osh Elb Th Dam Kd Snj Mz Gls Kh Gh Mia Kz Ss Chh Kda Cai Bli Sbw Sba Kai GG AZ AM Cc Ro Kr St Kb Kc Nt Ich Ing Da Kyi ET ET24 CV Az Md Kndy Pdy Dck Smt Bjo Lag Kir Bku Der Abe Clo Lbs 01 04 05 06 08 13 14 16 20 25 26 28 33 36 37 44 46 47 49 50 51 53 56 57 58 61 63 65 71 75 05A 06R 06Rd 13B 16A 36D 36Db 36F 36Fb 44I 44Ic 44L 44Lc 49F 49Fb 51B 51Ba 56F 56Fa 56Fb 56Fv 56Fç 58F 58G 63D 65Bx 65D 65Dh 65Dj 65G 65Ge 65K 65Kp 75F 75Fb
- 388) *Heliothis peltigera* ([Denis & Schiffermüller],1775)** (Noctuidae) Synonym(s): *peltigera* [Denis & Schiffermüller],1775; *alpheia* Cramer,1780; *florentina* Esper,[1788]; *charmione* Stoll,1790; *straminea* Donovan,1793; *insulata* Navas,1924. Original Reference: *Noctua peltigera* [Denis & Schiffermüller], 1775, *Ankündigung syst. Werkes Schmett. Wienergegend*: 89. Type(s): [Austria]: Vienna district. Range (in code): MA DZ Cn PT ES Mu FR Co Sa Si IT MT IE GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR DK SE FI EE LV LT RU MD UA BY IR Mz Fa Ke Lo By Yas Hz Ss Kh Ha PK Bl Qu IQ Mj JHa Amr Agh Kq Dk AF Hr Gbh Kab Srb Arh Dwe Bark Fz LB Bsa IN Dlh Hp NP JO Sn IL Pa Hf Dam Kdj Elb Th Ak Mrd Mia Kz Yas Km Kd Snj Hz B-A Maz Gls Kh GG AZ AM Cc KK TrA TM Kp UZ KG Ro Kr St Kb Kc Nt Ing Da CV MM Kba Tbl Smt Bjo Lag Bku Nv Ord Hmk Ktr Khb BSa Perr Sfr Dje DhM Abe Bsk Hrh Ges Clo Lbs Anna Ah Ajj 01 05 06 07 08 09 13 16 18 20 21 24 25 27 30 31 33 35 36 38 42 44 45 46 50 51 56 58 63 65 66 73 75 80 05A 07B 07Bb 09K 09Ka 13A 13G 13Gö 13Gg 13Gg 16A 18F 21N 21Nb 21Nc 21Nh 30D 30Df 31K 31Ka 31Ka3 31Ka7 33A 33Ac 33Ad 33E 36F 36Fb 44L 44Lc 56F 56Fo 56Fa 56Fb 56Fv 58N 63D 65D 65Dda 65Dl 65Du 65E 65Eb 65Ec 65Eç 65Ed 65F 65Fa 65Fg 65Fp 65Fr 65Fz 65G 65Ge 65K 65Kb 65Kl 65N 65Np 65Nr4 65Nr7 65Nm 73A 73Aa 73D 73Da 73Df 73Dfc 75F 75Fa
- 389) *Hoplodrina ambigua* ([Denis & Schiffermüller],1775)** (Noctuidae) Synonym(s): *ambigua* [Denis & Schiffermüller],1775; *plantaginis* Hübner,[1813]; *uniformis* Swinhoe,1885 Original Reference: *Noctua ambigua* [Denis & Schiffermüller],1775, *Ankündigung syst. Werkes Schmett. Wienergegend*: 77. Type(s): [Austria]: Vienna district. Range (in code): MA DZ TN LY? PT ES Mu FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd TR Cc CY IQ DK SE EE LV LT RU Ro Kr St No Ich Ing MD UA BY AF Srb PK Bl Qu IR Fa By Yas Ke Gh Elb Mz Th Kdj Gls EG TM CN Ui TJ IL Hf Pa SY JO LB Bsa UZ N-A KK T-S GG Smt Bjo AZ Kir Ges BtNa Lbs Hmk Abe Sbd Prr Khb DhM Agi 01 05 06 08 09 10 13 17 18 20 21 23 24 25 27 31 32 33 34 35 36 37 38 39 42 45 46 48 49 50 51 56 58 62 64 65 69 80 05A 06E 06Ea 06R 06Rb 06Rq 06Y 06Yb 13G 13Gg 13Gf 21N 21Nh 36F 36Fb 46G 49F 49Fb 56E 56Eh 56F 56Fv 56Fm 56Fa 56Fb 56Fö 56F1 56Fj 56Fc 56F3 58G 62G 62Gb 65D 65Du 65F 65Fa 65Fp 65Fr 65Fm 65Fg 65Fz 65K 65Kl 65L 65Lb 65N 65Nc 65Np 65Nm
- 390) *Hypena munitalis* Mann,1861** (Noctuidae) Synonym(s): *munitalis* Mann,1861 Original Reference: *Hypena munitalis* Mann,1861, *Wien. ent. Monatschr.* 5: 158. Type ♂: [Türkei]: Amasia. Range (in code): BG MK GR TR GG Smt Bjo Akh Cc AM RU Kr IL Pa LB Bei 01 05 06 07 08 12 13 21 24 25 32 33 42 44 49 50 51 56 58 65 69 73 05A 06R 06Ra 06Rm 13A 13Ab 13Ax 13G 13Gg 13Gü

13Gw 21L 21Lc 32A 42B 42Bb 44E 44Eh 44L 44Lc 49E 49Ea 56C 56Ca 56F 56Fo 56Fs 56Fs1 56Fj 56Fc 56Fv 56Fq 56Fö 56Fm 56F3 65D 65F 65Fm 65Fp 65Fr 65Fz 65K 65N 65Nc 65Kp 65Kl 73A 73Ad 73Ad2

**391) *Jodia croceago* (Fabricius,1787) (Noctuidae)** Synonym(s): #croceago [Denis & Schiffermüller],1775; croceago Fabricius,1787; aurantiago Donovan,1796; corsica Mabilie,1868 Original Reference: Noctua croceago Fabricius,1787, Mant. Ins. 2: 159, nr.163. Type(s): [Wien]. Range (in code): MA DZ Sbd TN PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Smt Bjo Mng SE RU Ro St Da MD UA BY IQ Shq LB IL Pa 05 06 08 11 25 31 42 43 46 49 56 58 62 65 05A 06F 06Fb 25F 42B 43D 49E 49Ea 56E 56Eh 56F 56F3 62G 62Gb 65D 65Dlc 65Dü

**392) *Lacanobia (s.str.) w-latinum* (Hufnagel,1766) (Noctuidae)** Synonym(s): w-latinum Hufnagel,1766; genistae Borkhausen,1792; dives Donovan,1801; umbrosa Bytinski-Salz & Brandt,1937; diniensis Heinrich,1938; caerulescens Schwingenschuss,1962. Original Reference: Phalaena w-latinum Hufnagel,1766, Berl. Mag. 3(3): 292. Type(s): [Germany]: Berlin. Range (in code): PT ES FR Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK SE FI EE LV LT RU Ro Kr St Ing Nt Kyi Da At Sb MD UA BY IR Mz Gls Ha Elb Th Kdj Dam Cc AM GG Smt Bjo Lag AZ Kir Nv Ord KG Tar CN Ui Ii KK Ik Na 04 05 06 11 13 18 21 24 25 28 33 34 36 37 39 42 49 50 58 60 61 65 06R 06Rb 06Rh 13G 13Gg 13Gs 13Gw 21N 21Nb 36D 36Db 49F 49Fb 61K 61Ka 65D 65F 65Fa 65Fm 65Fp 65Fz 65L 65Lb

**393) *Leucania loreyi* (Duponchel,1827) (Noctuidae)** Synonym(s): loreyi Duponchel,1827; caricis Walker,1856; collecta Walker,1856; curcula Walker,1856; denotata Walker,1856; designata Walker,1856; exterior Walker,1856; thoracica Walker,1856. Original Reference: Noctua loreyi Duponchel,1827, Hist. nat. Lépid. Pap. France 7: 81, pl.105 fig.7. Type(s): [France]: Dijon. Range (in code): Cn Md MA DZ TN PT ES FR Co Sa Si IT MT IE GB NL DE CH AT RO YU BG GR Cr TR DK EE IQ Agh Amr kut Kum LB Bei Bsa IR Elb Fa Ss Ke Kh PK Rw Drm Cp Nl Bl Qu AF Hr Srb Arh ZA Nta Kzu Dbn Est IN Pj Kul Sml Hp ID Ja AU QAU Bri FJ TO NC KE JP TW MM PH Ceb CY US Up Bhi Sn EG JO SY IL Pa Hf Mz Gls Th Nos Kdj Ab Sdt Kd Mrv Lo Kz Yas Km Cc RU Ro Kb Ich CV Az Cp Abe Gle Sbd Prr Afl Ges Ktr Bsk Sét DhM BSa Clo Agi Hrh 06 07 08 13 14 17 24 25 28 33 36 42 46 50 56 58 62 65 80 13G 13Gg 36F 36Fb 56F 56Fa 56Fm 56Fb 56Fç 56Fö 56Fc 58G 62G 62Gb 65Bx 65D 65Dg 65F 65Fg 65Kj 65Fm 65Fr 65Fp 65Fz 65G 65Ge 65K 65Kl 65N 65Nc (Fig. 56)



**Fig. 56** – *Leucania loreyi*. Turkey, Van Prov., Çatak Darboğaz 2000m, 6 6 2004, M. Kemal & A. Koçak (Cesa)

**394) *Leucochlaena muscosa* (Staudinger,1892) (Noctuidae)** Synonym(s): muscosa Staudinger,1892; hirsutus Staudinger,1892 Original Reference: Epunda muscosa Staudinger,1892, Dt. ent. Z., Iris 4: 281-282. Syntypes 5♂: [Türkei]: Amasia, ?Maraş, ?Malatia. Range (in code): GR TR IR Hz Elb Gh Km Ksh CY IQ AF TJ TM Kp UZ N-A IL Js Pa RU Cc Da Der 05 06 07 13 23 25 27 33 44 45 46 47 49 50 56 63 65 70 05A 06C 06Cb 06Y 06Yb 13C 13Cf 23I 25D 25F 44F 44Fb 44O 49E 49Ea 56A 56F 56Fm 56Fb 56Fj 56Fö 56Fi 56Fv 63E 63L 63M 65D 65Dh 65N 65Np 65Nm 70A

**395) *Lithophane ornitopus* (Hufnagel,1766) (Noctuidae)** Synonym(s): ornitopus Hufnagel,1766; rhizolitha [Denis & Schiffermüller],1775; pitzalisi Hartig,1976 Original Reference: Phalaena ornitopus Hufnagel,1766, Berl. Mag. 3(3): 304. Type(s): [Germany]: Berlin. Range (in code): ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR Cc IR Gls DK SE FI EE LV LT RU Ro Kr Da MD UA BY 05 06 08 16 24 25 42 56 62 65 05A 16A 25F 42B 56F 56Fs 56F3 62G 62Gb 65D 65Dlc

**396) *Lygephila (s.str.) cracca* (Fabricius,1787) (Noctuidae)** Synonym(s): #cracca [Denis & Schiffermüller],1775; cracca Fabricius,1787; nigricollis Villers,1789; riata Rungs,1952; caliginosa Schawerda,1931; herrerae Yela,1990; #cracca Hacker & Kautt,1999. Original Reference: Noctua cracca Fabricius,1787, Mant. Ins. 2: 154, nr.137. Type(s): [Wien]. Range (in code): MA PT ES Mu FR Co Sa Si IT GB BE LU DE CH AT PL CZ HU RO YU BG GR Cr TR AZ AM GG Cc IQ Ry LB Bsa DK NO SE FI EE LV LT RU Cc Ro



Kr St Nt Ich Ing Da MD UA BY IR Fa By Yas Ke Ss Lo Kh Mz Elb Th Dam Kz Yas Skh Kd Snj Lo Yz CN  
Ui Chk AF Pag KG Tk Dj Ii KK Ik PK Bbu Psu Gg Hu Nar Mlk T-A CY Smt Bjo Mng Lag Kir Bne Mrv 01  
05 06 07 08 12 13 14 16 17 18 22 23 24 25 29 30 31 33 36 42 44 48 49 50 56 58 60 62 63 65 75 76 05A  
06K 06Kb 06R 06Rq 13C 13Cf 13G 13Gg 13Gü 13Gw 13Gy 16A 23M 25F 30D 30Dx 31K 31Ka 31Ka5 33G  
36F 36Fb 44I 44Lc 44L 44Lc 49E 49Ea 56F 56Fc 56Fq 56Fv 62G 62Gb 63E 65D 65Dn 65F 65Fa 65Fp  
65Fm 65Fj 65Fz 65N 65Np 65Nm 75F 75Fa 76C

**397) Lygephila (s.str.) ludicra (Hübner,1790)** (Noctuidae) Synonym(s): *ludicra* Hübner,1790  
Original Reference: Phalaena ludicra Hübner,1790, Beitr. Gesch. Schmett. 2(4): 95,128, Taf.(4)3  
fig.R. Range (in code): IT AT CZ SK HU BG TR RU Cc Ich Ing Da MD UA BY CN Ui Arc Kun Yu Ats KK  
Ik Na T-S 04 05 12 13 25 29 65 69 05A 29F 65D

**398) Lygephila (s.str.) lusoria (Linnaeus,1758)** (Noctuidae) Synonym(s): *lusoria*  
*Linnaeus,1758*; *orobi* Duponchel,1821; *lathyr* Boisduval,[1828] Original Reference: Phalaena lusoria  
Linnaeus,1758, Syst. Nat. (Edn.10)1: 506. Type(s): Germania. Range (in code): FR Sa Si IT CH AT  
PL CZ SK HU RO YU BG GR TR IL Pa LT RU MD UA BY Cc GG AZ AM IR IQ AF KK 01 03 04 05 06 07  
08 11 18 24 25 32 33 36 42 49 50 51 56 58 62 65 66 70 05A 06R 06Rb 42J 42X 42Xa 33G 56F 56Fm 56Fs  
56Fi 56Fq 56Fy 65D 65Dj 65Dl 65Dlc

**399) Megalodes eximia (Freyer,1845)** (Noctuidae) Synonym(s): *eximia* Freyer,1845 Original  
Reference: Cosmia eximia Freyer,1845, Neuere Beitr. Schmett. 5: 104. Tab. 442 fig. 3. Type(s):  
[Türkei]: europäische Türkei. Range (in code): GR TR Cc GG AM RU Da IR Fa Ab Oru Ak Shf Mak  
Ksh Km Kd Sq IQ IL Js Pa JO LB Bei 01 05 07 10 13 21 24 25 27 30 33 36 42 44 46 47 49 50 62 63 65 66  
73 05A 13G 21N 21Nb 30B 30Bd 30Bx 33E 44L 44Lc 65D 65Dm 65Dl 65Dlc 65Du 65Dx 65E 65F 65Fp  
65Fz 65N 65Nc 65Np 65Nm 73E 73Eb

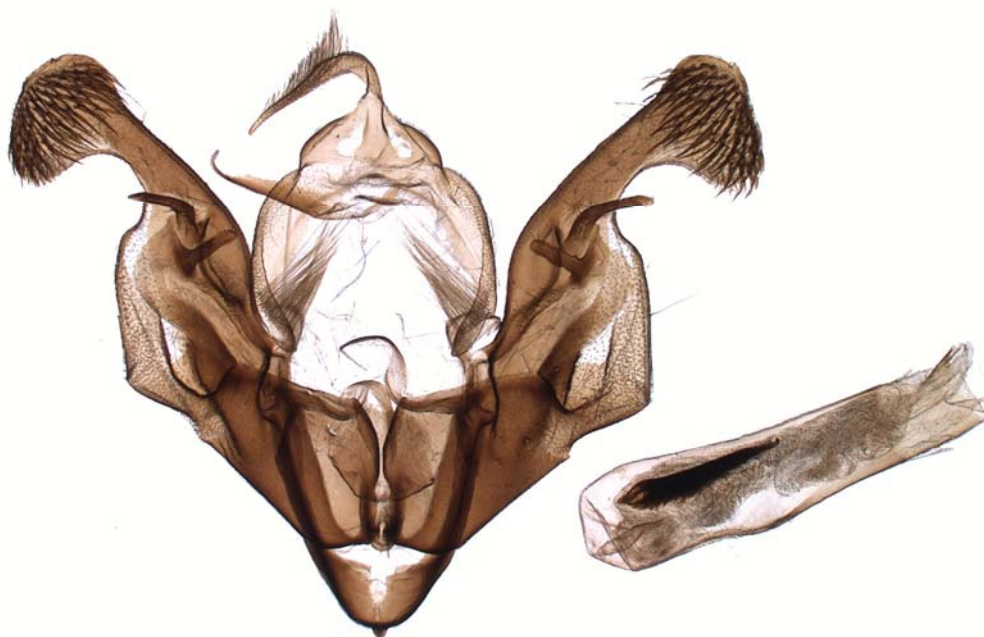
**400) Meganola togatulalis (Hübner,1796)** (Noctuidae) Synonym(s): *togatulalis* Hübner,1796;  
*togatulana* Duponchel,1845 Original Reference: Pyralis togatulalis Hübner,1796, Samml. eur.  
Schmett. 6, Pyralides: Tab.20 fig.131. Type(s): Europa. Range (in code): MA Ifr DZ Khh TN Dh  
PT ES Mu FR Co Sa Si IT BE NL DE CH PL CZ SK HU YU BG GR TR LT RU MD UA BY CY IL Pa LB Bsa  
IQ IR Ak Ab 01 07 10 12 13 33 34 35 42 45 46 48 56 65 01A 10D 12A 12Ab 13C 13D 48G 48Gb 56F 56Fq  
56Fi 65D

**401) Metachrostis dardouini (Boisduval,1840)** (Noctuidae) Synonym(s): *dardouini*  
*Boisduval,1840*; *velox* Treitschke nec Hbn.,[1813]; *mendacula* Freyer,1841; *dilutior* Schwingenschuss,1926  
Original Reference: Bryophila dardouini Boisduval,1840, Gen. Ind. Meth. Eur. Lepid.: 96. Range  
(in code): PT ES FR IT CH AT SK HU RO YU BG GR Cr TR Cc AZ Nv Ord Kir IR Ab Oru Fa Kaz Kh Msh  
TM Kp CY IL Pa JO LB 06 10 13 16 21 23 30 32 33 50 56 58 65 73 06C 06Cb 13G 13Ge 16A 21L 21Lc 23I  
30B 30Bj 56E 56Ea 56F 56Fm 65D 65Dh 65F 65Fp 65Fz 73A 73Ab

**402) Metalopha (Antholopha) gloriosa (Staudinger,1892)** (Noctuidae) Synonym(s):  
*gloriosa* Staudinger,1892; *#intradeleta* Osthelder,1933; *#extradeleta* Osthelder,1933; *#grisea* Osthelder,1933.  
Original Reference: Metalopha gloriosa Staudinger,1892, Dt. ent. Z.,Iris 4: 314. Syntypes:  
[Türkei]: Aintab[=Gaziantep]; Hadjin[=Saimbeyli]. [Israel]:Jerusalem. Range (in code): TR Cc IL  
Hf Js Pa IQ 01 06 21 23 25 27 31 33 36 42 44 46 47 56 58 60 62 63 64 65 01K 06C 06Cb 06Y 21K 21N  
21Nh 23I 25K 33G 36D 42B 44L 44Lc 47D 56F 56Fi 56Fv 56Fc 56Fb 56Fg 60C 63E 65F 65Fr 65D 65Dh

**403) Minucia bimaculata Osthelder,1933** (Noctuidae) Synonym(s): *bimaculata* Osthelder,1933  
Original Reference: Minucia bimaculata Osthelder,1933, Mitt. münch. ent. Ges. 23: 95-96.  
Syntypes: [Türkei]: Kahramanmaraş, Yeşildere (ZSM). Range (in code): TR IQ IR Fa Hz B-A 01 07  
13 21 30 31 33 42 46 56 63 65 73 01H 07C 07Cc 13C 13Cf 21N 21Nh 30B 30Bj 31L 33O 56A 56F 56F3  
56Fa 56Fg 65D 65Dlc 73A 73Ab 73Ac 73C 73Ce

**404) Mythimna (Aletia) l-album (Linnaeus,1767)** (Noctuidae) Synonym(s): *l-album*  
*Linnaeus,1767*; *penicillata* Moore,1881 Original Reference: Phalaena l-album Linnaeus,1767, Syst. Nat.  
(Edn.12)1: 850. Type(s): [Europa]. Range (in code): MA DZ TN PT ES FR Co Sa Si IT MT GB BE NL  
LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR GG AZ AM Cc DK NO SE LV RU Ur MD UA BY IR  
Fa Ke Lo Es Ha Ss Gh Elb Th Dam Kdj Ab Kz Yas AF Gbh PK IN Pj Sml Dlh Hp Kul Up Bhi SI NP CY IQ  
LB Bei Bsa IL Pa KK KG CN UZ Tk Dj Ax N-A Ro St Kr Kb Nt Ich Da Thu Smt Bjo Lag Kir Nv Ord Oru  
Sdt Kd Bne Gls Kh Agi Anna Ges Lgt Blid Bsk Btina Lbs Khh Dhmm Prr Abe Sbd Afl BSA Hrh Psu Gg Txl  
Abb Nar Sai 05 06 07 08 10 12 13 16 17 18 21 25 30 31 32 33 34 36 38 39 42 44 45 46 49 50 51 56 58 61 62  
63 65 69 80 05A 06R 06Rq 06Y 06Yb 08H 08Ha 13A 13Ab 13Ax 13B 13C 13Cd 13G 13Gg 13Gü 13Gs  
13Gw 16A 21N 21Nb 30D 30Dt 30Dx 31K 31Ka 31Ka3 33G 36D 36Db 36F 36Fb 38H 38Hc 44E 44Eh 44L  
44Lc 49E 49Ea 56F 56Fo 56Fb 56Fö 56Fv 56Fa 56Fm 56Fq 56Fi 58G 61K 61Ka 62G 62Gb 65B 65Bo  
65Bx 65D 65Ds 65Dv 65F 65Fg 65Kr 65Fm 65Fp 65Fz 65G 65Ge 65K 65Kl 65N 65Nc 65Nc4 65Np7  
65Nm (Fig. 57)



**Fig. 57** – *Mythima l-album*, male genitalia (GP2140). Turkey, Van Prov., Çatak Atlıhan 1350m, prep. A.Koçak (Cesa)

**405) Mythimna (Aletia) vitellina (Hübner,[1808])** (Noctuidae) Synonym(s): *vitellina* Hübner,[1808]; *#vitellena* Lederer,1870; *decolorata* Dannehl,1929; *saturationior* Dannehl,1929; *grisescens* Dannehl,1929. Original Reference: Noctua vitellina Hübner,[1808], Samml. eur. Schmett.,Noct.2: Taf.81, fig.379. Type: [Europa]. Range (in code): Cn MA MR DZ TN PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR IQ Brs Ry Rwz Dia Agh DK RU At MD UA BY PK Ch NP IN Pj Kul CN IR Lo Es Ha Kh Fa Mz Elb Th Kdj AF Hr UZ Fe KK Ik TM KG TJ CY AZ Bak GG Cc LB Bsa SY JO IL Pa T-A Kp N-A Br Ro St Kc Kb Nt Ing Ich Da Tbl Smt Bjo Bku Kir Gls Agi Blid Khh Gue Ges Btna BSa Anna Orn Abe Sfr Sbd Dhbm Sét Hrh Hmk 01 03 05 06 07 08 09 13 16 17 18 21 22 23 24 25 27 28 29 30 31 33 34 35 36 37 39 42 44 45 46 48 49 50 51 52 56 58 62 63 65 73 75 76 80 05A 06E 06Ea 06R 06Rb 06Rq 06Y 06Yb 07B 07Bb 13A 13Ab 13Ax 13G 13Gü 13Gw 16A 21L 21Lc 21N 21Nb 21Nh 30D 30Dx 33G 36D 36Db 36F 36Fb 44E 44Eh 44L 44Lc 46G 46Gf 48L 49F 49Fb 56E 56Eh 56F 56Fa 56Fb 56Fh 56Fo 56Fv 56F3 56F1 56Fs 56Fç 56Fy 56Fc 58G 62G 62Gb 63D 63E 65D 65Dl 65Dlc 65Ds 65Du 65Dv 65F 65Fa 65Fb 65Fç 65Fd 65Fg 65F1 65Fj 65Fm 65Fr 65Fp 65Fu 65Fz 65G 65Ge 65K 65N 65Nc 65Nc4 65Kd 65Kg 65Kl 65Kp 65Ku 65L 65Lb 65N 65Nm 65Np 65Np1 65Np8 73D 73Db 75F 75Fe 76A 76Ac 76B 76Bb (Fig. 58)



**Fig. 58** – *Mythima vitellina*, female genitalia (GP2141). Turkey, Van Prov., Çatak Atlıhan 1350m, prep. A.Koçak (Cesa)



- 406) Mythimna (Hyphilare) ferrago (Fabricius,1787)** (Noctuidae) Synonym(s): *ferrago* Fabricius,1787; *lithargyria* Esper,[1788]; *grisea* Stephens,1829; *anargyria* Boisduval,1840; *argyristis* Rambur,1858; *meridionalis* Dannehl,1926 Original Reference: *Noctua ferrago* Fabricius,1787, Mant. Ins. 2: 160, nr.170. Type(s): [Germany]; Kiliae [=Kiel]. Range (in code): DZ MA PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR IQ IR Fa Mz Elb Th Dam Gh DK NO SE FI EE LV LT RU Ro Kr Kc St Kb Nt Ich Ing Da At Sb Ur MD UA BY CN Ui Kun TM KK TrA KG LB IL Pa PK Gg Ch Kag Hu Swa GG AZ AM Cc Smt Bjo Mng Lag Kir Haz Abe Sbd Sét DhM TN 01 04 06 08 09 12 13 24 28 30 33 36 39 42 44 45 46 49 50 56 58 61 62 65 66 06R 06Rb 09K 09Ka 13G 13Gg 13Gü 13Gw 30D 30Dx 44I 44Ic 46G 46Gf 49E 49Ea 56F 56Fs 56Fc 56Fq 56Fö 65Bx 65F 65Fa 65D 65Dn 65Fp 65Fz 65Fm 65G 65Ge
- 407) Nezonecta obtusa Varga & Ronkay,1991** (Noctuidae) Synonym(s): *obtusa* Varga & Ronkay,1991 Original Reference: *Nezonecta obtusa* Varga & Ronkay,1991, Acta zool. Hung 37: 275-279, Pl.ii figs.16-17. Holotype ♂: Turkey: Prov. Sivas: Gürün, 1500m, 25.iv.1989 leg. G. Fabian & L.Ronkay (HNHM). Range (in code): TR IR Fa Es 04 25 30 50 58 65 04D 04Da 25A 25Ab 30D 30Db 58G 58Ga 58Gg 65Bx 65D 65Dd 65G 65Ge
- 408) Noctua (Lampra) fimbriata (Schreber,1759)** (Noctuidae) Synonym(s): *fimbriata* Schreber,1759; *domiduca* Hufnagel,1766; *fimbria* Linnaeus,1767; *solani* Fabricius,1787. Original Reference: *Phalaena fimbriata* Schreber,1759, Nova Species Insectorum: 13, fig.9. Type(s): [Deutschland]: Halae [=Halle]. Range (in code): DZ Clo DhM TN PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR DK NO SE FI EE LV LT RU Ro Nov Kr St Kb Kc Nt Ich Ing Da MD UA Ode Cm BY AM GG Smt Bjo AZ Kir Cc IR Gls 03 05 06 07 08 12 13 14 16 18 25 29 30 39 42 43 46 49 51 56 59 60 62 65 73 80 03H 05A 06R 06Rb 08H 13A 13Ab 13Ax 13C 13Cf 13G 13Gg 16A 25T 30B 30Bd 30Bx 42B 42D 49E 49Ea 56F 56F6 56F1 56Fq 56Fs 56Fm 56Fy 59D 65D 73C 73Cd
- 409) Noctua (Latanoctua) orbona (Hufnagel,1766)** (Noctuidae) Synonym(s): *orbona* Hufnagel,1766; *subsequa* [Denis & Schiffermüller],1775; *caroni* Lempke,1964. Original Reference: *Phalaena orbona* Hufnagel,1766, Berl. Mag. 3(3): 304. Type(s): [Germany]: Berlin. Range (in code): MA DZ TN LY PT ES FR Co Sa Si IT GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR CY TR DK NO SE FI EE LV LT RU Ro Kr St Kb Nt Ich Ing Kyi Da MD UA Cm BY IR Lo By Yas Zj Elb Th Kdj Kd LB Bsa SY IQ GG Smt Akh Bjo Tbl AZ Hkd Kir Nv Ord AM Cc TM UZ N-A AF Kh LU KG Uk KK Osh TJ Pm Chr Tbl Smt Bjo Lag Kir Nv Ord Bne Ges Clo PK Abb 01 03 04 05 06 07 08 13 14 16 17 18 21 23 25 27 28 30 31 36 38 39 42 43 46 50 51 56 58 59 60 62 63 65 66 70 01L 01La 05A 06E 06Ea 06R 06Ra 06Rb 06Rd 06Rq 06Y 06Yb 13G 13Gg 13Gf 13Gü 13Gw 14I 16A 21L 30D 30Dt 36D 36Db 42B 42D 50G 50Ga 50Gd 56F 56Fb 56Fq 56F3 56Fv 56Fa 56Fç 56Fj 58G 59D 63D 65Bx 65D 65Du 65Di 65F 65Fa 65Fb 65Fg 65Fr 65Fp 65Fz 65G 65Ge 70C 70Cb
- 410) Noctua (Paranoctua) comes (Hübner,[1813])** (Noctuidae) Synonym(s): *orbona* Fabricius,1787 nec Hufn.,1767; *comes* Hübner,[1813]; *adsequa* Treitschke,1825; *prosequa* Treitschke,1825; *bergensis* Sp.-Schn.,1901. Original Reference: *Noctua comes* Hübner,[1813], Samml. eur. Schmett., Noct. 2: Taf.111, fig.521 Type:[Europa]. Range (in code): MA DZ Dzc Hrh Abe Sbd Lbs DhM Tun BtNa TN PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR DK NO SE FI EE LV LT IR Lo Ke Fa Enz Gh Ab Kz Km Kd Lo Mz Gls Elb Kh IQ SY LB Bsa IL Hf Pa JO AM GG Tbl Cc RU Ro Kr St Kb Da Der 01 05 06 07 08 09 10 11 13 16 21 22 30 31 33 39 42 43 44 45 46 56 59 63 65 73 01K 05A 06R 06Rb 11E 13A 13Ab 13Ax 13C 13Cd 13G 13Gg 13Gü 13Gs 13Gw 16A 21L 21Lc 30B 30bC 30bC1 30Bd 30Bx 30D 30Dx 42B 44L 44Lc 56F 56Fb 56Fv 56Fs 56Fq 56F1 56Fç 59D 63D 65D 65Dn 65F 65Fb 65Ff 65Fp 65Fz 65K 65Kd 65Kç 65N 65Nc 65Nç 65Np 65Np1 65Np7 65Nm 73D 73Db
- 411) Noctua (s.str.) pronuba (Linnaeus,1758)** (Noctuidae) Synonym(s): *pronuba* Linnaeus,1758; *connuba* Hübner,[1822]; *innuba* Treitschke,1825; *hoegei* Herrich-Schäffer,1861; *nigra* Krausse,1912 nec Piesz.,1908; *decolorata* Turati,1923. Original Reference: *Phalaena pronuba* Linnaeus,1758, Syst. Nat. (Edn.10): 512. Type(s): [Europa]. Range (in code): MA DZ TN LY EG PT ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR DK NO SE FI EE LV LT RU Nov Sr MD UA Cm BY IR Fa Mz Gh Elb Th Kd Bu Dlk IQ Agh Dy Kbl Kro AF PK IN GG Tbl Bjo AZ Kir AM Cc Sb Ur LB Bsa IL Hf Pa JO Sn Az Cn UZ Br Ro Kr St Kc Kb Nt Ing Kyi Da Tbl Smt Bjo Lag Kir Bne Gls BtNa Agi DhM Bdj BSa KhH Orn Anna Abe Sbd AfI Knt Hrh Mzg 01 04 05 06 07 08 13 14 16 17 18 21 24 27 28 31 33 34 35 36 39 42 43 44 45 46 50 51 56 58 59 60 61 62 63 65 71 73 01A 01N 01L 01La 05A 06D 06Da 06R 06Ra 06Rb 13G 13Gg 16A 21N 21Nb 31K 31Ka 31Ka5 36D 36Db 42B 42D 44E 44Eh 44I 44Ic 44L 44Lc 56F 56Fa 56Fh 56F6 56Fv 56Fm 56F1 56Fc 58G 59D 63D 65D 65Dl 65Dlc 65F 65Fa 65Fb 65Fp 65Fz 65Fu 65Fm 65Fr 65K 65Kd 65Kp 65N 65Np 65Np1 65Np8 65Nm 73D 73Db
- 412) Nycteola siculana (Fuchs,1899)** (Noctuidae) Synonym(s): *siculana* Fuchs,1899; *cuneana* Patočka,1953; *pseudodilutana* Obraztsov,1954. Original Reference: *Sarrothripus undulana* var. *siculana* Fuchs,1899, Jb. Nassau. Ver. Naturk. 52: 128. Type(s): Sizilien. Range (in code): MA DZ TN PT ES Mu FR Co Si IT DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE EE LV LT RU Cc Ro MD UA 25 46 50 65 65D
- 413) Omphalophana anatolica (Lederer,1857)** (Noctuidae) Synonym(s): *anatolica* Lederer,1857 Original Reference: *Calophasia anatolica* Lederer,1857, Die Noctuienen Europa's: 40,

161, 227. Type: [Turkey]: "Brussa". Range (in code): **Sa Si IT DE YU MK AL BG GR Rd Cr TR AM Cc IR Fa Ss Hz B-A IQ Dy IL Pa 07 16 20 33 35 65 16A 65D 65DI 65Du 65F 65Fp 65Fz**

- 414) Omphalophana antirrhinii (Hübner,[1803])** (Noctuidae) Synonym(s): *antirrhinii* Hübner,[1803] Original Reference: Noctua antirrhinii Hübner,[1803], Samml. eur. Schmett., Noct. 2: Taf.52, fig.253. Type: [Europa]. Range (in code): **ES FR Si IT DE AT PL CZ SK HU RO YU AL BG GR TR IR Elb Th Fa Lo Kz Yas UA Lo IQ LB Bsa IL Pa Hf JO GG Lag AZ AM Cc RU Ro Ing Da Der 05 06 13 16 17 18 24 25 33 35 42 45 46 50 51 56 58 60 63 65 76 05A 13G 13Gs 13Gw 16A 33G 56F 56F1 58G 58N 65D 65Dlc 65Ds 65F 65Fa 65N 65Np 65Np2 65Nm 76C**

- 415) Oncocnemis fuscipicta Wiltshire,1976** (Noctuidae) Synonym(s): *fuscipicta* Wiltshire,1976 Original Reference: Oncocnemis fuscipicta Wiltshire,1976, Z. ArbGem. öst. Ent. 27: 77-79, figs. Holotype ♂: Iraq: Kurdistan: Shaqlawa 2500ft. 13.x.1953 (coll. Wiltshire). Range (in code): **TR IQ Shq 13 30 56 65 73 13B 30B 30Ba 30Bd 30Bx 30Bh 30Bj 30Bj1 30D 30Da 30Dt 56F 56Fj 65Bx 65D 65Dn 65Ds 65Dv 65F 65Fp 65Fz 65Fm 65G 65Ge 65N 65Np8 65Nm 73C 73C 73Cd**

- 416) Oncocnemis strioligera Lederer,1853** (Noctuidae) Synonym(s): *strioligera* Lederer,1853 Original Reference: Oncocnemis strioligera Lederer,1853, Verh. zool.- bot. Ver. Wien 3: 368. Type(s): [Russia]: Altai. Range (in code): **RU KG At KK TrA Ax TJ Pm Chr CN Ui IR Kh Lo TR Cc IL Pa He 01 13 30 36 42 65 70 01L 01La 30B 30Bg 36D 42D 65D 65Dn 70C 70Cb**

- 417) Ophiusa lunaris (Goeze,1781)** (Noctuidae) Synonym(s): *#lunaris* [Denis & Schiffermüller],1775; *lunaris* Goeze,1781; *undosa* Goeze,1781; *ventrilabris* Fabricius,1787; *tarsiplumalis* Hübner,1796; *inconspicua* W.Warren,1913; *chosis* Bryk,1949. Original Reference: Phalaena lunaris Goeze,1781, Ent. Beytr. 3(3): 224. Range (in code): **DZ Sbd BtNa Lbs Khh Ahr Agi PT ES Mu FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK SE RU Cc Ro Kr St Kb Nt Inc Kyi Da MD UA BY CY IR JO IL Pa AM Cc 01 05 06 07 10 13 16 18 21 25 32 33 35 39 42 50 56 62 65 80 05A 06R 06Rb 16A 21N 21Nh 21Nb 32F 39K 56F 56Fa 56Fb 56Fh 62E 65D 65Dlc 65Dh 65Ds 65Dv 80C**

- 418) Opigena polygona (Fabricius,1787)** (Noctuidae) Synonym(s): *#polygona* [Denis & Schiffermüller],1775; *polygona* Fabricius,1787; *nigrofulva* Esper,[1788]; *pyramis* Borkhausen,1792; *#polygena* Hacker & Weigert,1986 Original Reference: Noctua polygona Fabricius,1787, Mant. Ins. 2: 176, nr.267. Type(s): [Wien]. Range (in code): **ES FR IT NL DE CH AT PL CZ SK HU RO YU AL BG GR DK NO SE FI EE LV LT RU MD UA BY Cc AM Eri TR IR Elb Kh Kd Bne Mrv Fa Ha Zj Mz Th Dam CN Ti NP IN Sb KK Na 03 04 12 13 17 18 24 25 30 36 39 42 60 65 69 04D 04Da 13D 13G 13Ga 13Gg 13Gü 13Gw 25A 25C 25Ca 25D 25N 30B 30Bj 30D 30Da 36F 42B 49E 49Ea 60C 65D 65Dh 65F 65Fm 65Fp 65Fz 65K 65Kl 65N 65Nr2 65Nm**

Material studied: 1♂. Turkey Van Prov., Çatak 3km NNE (65Dh) 1500m, 21 6 2004 M. Kemal & A.Koçak leg. (Cesa) (Fig. 59).



**Fig. 59** – *Opigena polygona*. Turkey Van, Çatak, 21 6 2004 M. Kemal & A.Koçak (Cesa)

- 419) Orthosia (Monima) cerasi (Fabricius,1775)** (Noctuidae) Synonym(s): *cerasi* Fabricius,1775; *stabilis* [Denis & Schiffermüller],1775; *obliqua* de Villers,1789; *junctus* Haworth,1803; *pallida* Haworth,1809; *rufannulata* Haworth,1809. Original Reference: Noctua cerasi Fabricius,1775, Syst. Ent.: 600. Syntypes: [England]: Angliae; [Germany]: Germaniae. Range (in code): **DZ Agi PT ES An FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU HV MK BG GR TR DK NO SE FI EE LV LT RU Ro Kr Nt Da MD UA BY Cc GG AZ IL Pa IR KG 01 05 07 15 46 65 05A 65D 65Dlc 65F 65Fm**

- 420) Orthosia (s.str.) incerta (Hufnagel,1766)** (Noctuidae) Synonym(s): *incerta* Hufnagel,1766; *instabilis* [Denis & Schiffermüller],1775; *collinita* Esper,[1790]; *contracta* Esper,[1790]; *trigutta* Esper,[1790]; *nebulosus* Haworth,1803; *subsetaceus* Haworth,1803; *angustus* Haworth,1803; *fuscatus* Haworth,1803; *pallida* Lampa,1885 nec Hw.,1809; *pallidior* Staudinger,1901 nec Stgr.,1888 Original Reference: Phalaena incerta Hufnagel,1766, Berl. Mag. 3 (3): 298. Type(s): [Germany]: Berlin. Range (in code): **MA PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR Cr TR DK NO SE FI EE LV LT RU GG Smt Bjo Lag Cc Ro Kr Nt Da Sb At MD UA BY CN Ui Ku KK Ik Ax Fe**



UZ KG DsA JP IN Pj Hp Sml IQ CY LB IR Elb Th 03 04 06 07 09 15 31 32 34 42 43 46 50 56 58 65 06R  
06Rb 06Rq 34A 56F 56F3 65D 65Dlc 65F 65Fp 65Fu 65Fz 65N 65Nm 65Np

- 421) Perigrapha (Opacographa) cilissa Püngeler,1917** (Noctuidae) Synonym(s): *cilissa Püngeler,1917* Original Reference: Perigrapha cilissa Püngeler,1917, Mitt. münch. ent. Ges. 8: 19. Type ♀: [Türkei]: Taurus. Range (in code): TR IQ 07 13 23 33 44 51 56 58 65 13D 13Da 23I 23M 51D 51Da 56F 56F1 65D 65Dlc 65E 65Eb 65F 65Fp 65Fm 65Fu 65Fz
- 422) Periphanes (Helivictoria) victorina (Sodoffsky,1849)** (Noctuidae) Synonym(s): *victorina Sodoffsky,1849* Original Reference: Heliopsis victorina Sodoffsky,1849, Stettin ent. Ztg. 10:130. Syntypes: Kaukasus. Range (in code): RO YU BG GR TR GG Cc RU St Da AZ Nv Ord Der 05 06 08 14 15 16 18 23 24 25 30 32 33 44 46 50 51 55 56 58 65 69 70 05A 06C 06Cb 06R 06Y 06Yb 14E 23I 25F 30B 30Bd 30Bx 30Bh 44L 44Lc 51D 55F 56F 56Fa 56Fq 58G 58N 65B 65Bo 65Bx 65D 65Dl 65Ds 65Dx 65F 65Fa 65N 65Np6 65Nm 70C 70Cf
- 423) Phlogophora meticulosa (Linnaeus,1758)** (Noctuidae) Synonym(s): *meticulosa Linnaeus,1758; lamii Schadewald,1993* Original Reference: Phalaena meticulosa Linnaeus,1758, Syst. Nat. (Edn.10): 513. Type(s): [Europa]. Range (in code): MA DZ Abe Ges Btina Dh m Hrh TN PT ES Mu FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc GG Tbl Bjo Smt Lag AZ Kir IQ Agh CY LB IL Hf Pa IR Gh Elb Clu Mz DK NO SE FI EE LV LT RU Ro St Kr Kc Kb Nt Ich Da MD UA BY 05 06 07 13 14 16 18 21 24 25 33 34 36 38 46 50 51 56 58 62 65 05A 06R 06Rb 06Y 06Yb 13G 13Gs 13Gw 16A 21L 21Lc 21N 21Nb 21Nh 25D 36D 36Db 38H 38Hc 56E 56Eh 56F 56Fa 56Fv 58G 62G 62Gb 65D 65Dv 65F 65Fp 65Fz 65N 65Ne 65L 65Lb
- 424) Plecoptera inquinata (Lederer,1857)** (Noctuidae) Synonym(s): *inquinata Lederer,1857; pyrami Rogenhofer,1873; amonica Osthelder,1933* Original Reference: Madopa inquinata Lederer,1857, Wien. ent. Monatschr.1:98. Type(s): [Lebanon]: Beirut. Range (in code): TN LB Bei Bsa IL Pa TR Cc AZ Kir Nv Ord IQ Rwz IR Fa Ke Lo Ss Kaz Mia Sse Kz Yas SY Pmy 01 07 08 13 30 31 33 42 46 56 65 01F 08H 13C 13Cf 30B 30Bc1 30Bx 30Bh 30Bi 30Bj1 31K 31Ka 31Ka3 31Ka5 31Ka7 33A 33Ac 33Ad 46G 46Gf 56F 56F1 56Fs 56Fv 56Fb 56Fc 65D 65Dl 65Dlc 65F 65Fp 65Fz
- 425) Plusidia cheiranthi (Tauscher,1809)** (Noctuidae) Synonym(s): *cheiranthi Tauscher,1809; eygenia Eversmann,1841; abrostoloides Butler,1879; separanda W.Warren,1913.* Original Reference: Noctua cheiranthi Tauscher,1809, Mém. Soc. imp. Nat. Moscou 2: 322, pl.20 fig.6. Type(s): Russia: Waskuntschatskoi. Range (in code): IT PL CZ SK RO YU BG TR AZ Kir Cc EE LV LT RU Ro Kr St Ich MD UA BY IR Ab Oru 12 13 25 30 65 69 76 13G 13Gf 25B 25T 30D 30Da 65Bx 65D 65Dl 65Dlc 65F 65Fa 65Fg 65Fr 65Fp 65Fz 65G 65Ge 76C
- 426) Polia sagittigera (Hufnagel,1766)** (Noctuidae) Synonym(s): *sagittigera Hufnagel,1766; leucophaea [Denis & Schiffermüller],1775; fulminea Fabricius,1781; vestigialis Esper,[1785]; ravidia Esper,[1789]; pyrenaica Oberthür,1884; incana Millière,1885.* Original Reference: Phalaena sagittigera Hufnagel,1766, Berl. Mag. 3(3): 410. Type(s): [Germany]: Berlin. Range (in code): DZ Btina Lbs ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU Ro Kr St Kb Nt Ich Ing Da Sb At MD UA BY Ur KG At Tab DsA CN Ui Ii 01 03 06 13 16 18 25 33 42 46 49 50 51 60 61 65 03E 06R 06Rb 06Y 06Yb 13G 13Gw 13Gs 16A 18F 25C 25Ca 25T 33E 42R 42Rd 49E 49Ea 50G 50Gd 60C 61K 61Kb 65D 65Ds
- 427) Polyphaenis monophanis Brandt,1938** (Noctuidae) Synonym(s): *monophanis Brandt,1938; #unicoloris Brandt,1938.* Original Reference: Polyphaenis monophanis Brandt,1938, Ent. Rdsch. 55: 548, figs.133-137. Syntypes: Iran. Range (in code): IR By Fa Km Kd Snj Mrv Lo Mia TR 30 65 30B 30Ba 30Bf 65D 65Ds
- 428) Recoropha beata (Staudinger,1892)** (Noctuidae) Synonym(s): *beata Staudinger,1892* Original Reference: Metopoceras (?) beata Staudinger,1892, Dt. ent. Z., Iris 4: 274, Taf. iii fig. 9. Type 1♀: [Türkei]: Hadjin, 20.Juni 1890 (Manissadjian leg.). Range (in code): TR IR Ab Oru Fa Km Ab IQ IL Pa SY Dms 01 06 13 21 23 24 30 42 44 56 63 65 73 01K 13C 13Cf 21N 21Nh 23I 24L 30B 30Bd 30Bc1 30Bx 30Bd 30Be 30Bf 30Bj 30Bi 30D 30Da 44L 44Lc 56F 56Fa 56Fv 56Fq 56Fb 56F1 65D 65Dh 73C 73Cd 73D 73Da
- 429) Shargacucullia (s.str.) lychnitis (Rambur,1833)** (Noctuidae) Synonym(s): *lychnitis Rambur,1833* Original Reference: Cucullia lychnitis Rambur,1833, Annls Soc. ent. Fr. 2:17. Type(s): France: Corse. Range (in code): LY ES Mu FR Co Sa Si IT MT GB BE DE CH AT PL CZ SK HU RO YU BG GR TR LB Bei Bsa Zah DK SE FI EE LT RU Cc Ro Kr St Kc Nt Ich Ing Da MD UA BY IQ IL Pa AZ Cc SY Dms IR Ab Kd Lo Yz Fa Km TM Kp 04 05 06 12 13 14 18 21 24 25 30 35 38 45 56 58 65 70 04D 04Da 04I 05A 06Y 12A 12Ab 13G 13Ge 21K 30D 38C 38Ca 38H 56F 56Fm 58G 65D 65F 65Fa 65Fe 65N 65Nb 70C 70Cb
- 430) Sideridis (Conisania) evestigata (Draudt,1936)** (Noctuidae) Synonym(s): *evestigata Draudt,1936* Original Reference: Epia evestigata Draudt,1936, Ent. Rdsch. 53: 490-491. Holotype ♀: [Türkei]: Ankara (leg. Noack); Co-type: Siwas (leg. Zukowsky). Range (in code): TR 04 06 13 25 30 38 50 51 58 60 65 71 06K 13G 13Gü 25N 58N 65Bx 65D 65Dg 65F 65Fa 65G 65Ge (Fig. 60)



**Fig. 60** – *Sideridis evestigata*. Turkey, Van Prov., Çatak Darboğaz, 2020m. 6 6 2004, M. Kemal & A.Koçak leg. (Cesa)

- 431) *Sideridis (Luteohadena) luteago* ([Denis & Schiffermüller],1775) (Noctuidae)**  
 Synonym(s): *luteago* [Denis & Schiffermüller],1775; *brunneago* Esper,[1804]; *nigrescens* Wagner,1926 (*praeocc.*); *ottomana* Koçak,1990. Original Reference: Noctua luteago [Denis & Schiffermüller], 1775, Ankündigung syst. Werkes Schmett. Wienergegend: 86. Type(s): [Austria]: Vienna district. Range (in code): **DZ Hrh FR AD Co Si IT MT GB DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd FI LV LT RU Ro Kr St Kb Nt Ich Ing Da MD UA BY TR IR Fa Kh Elb Th IQ LB Bsa SY GG Tbl Bjo Smt Kir Cc AZ AM KK KG 04 05 06 07 08 11 13 18 21 24 25 29 30 33 36 37 42 49 50 58 60 61 65 73 05A 11A 13A 13Ab 13Ax 13G 13Gg 13Gw 13Gs 50G 65B 65Bo 65Bx 65D 65Dh 65F 65Fç 65Fg 65Fm 65Fr 65Fz 65G 65Ge 65L 65Lb 65N 65Np6 65Nm 73A 73Ab**

Material studied: 1♀. Turkey Van Prov., Çatak 3km NNE (65Dh) 1500m, 21 6 2004 M. Kemal & A.Koçak leg. (Cesa) (**Fig. 61**).



**Fig. 61** – *Sideridis luteago*, ♀ from Turkey Van, Çatak, 21 6 2004 M. Kemal & A.Koçak (Cesa)

- 432) *Sideridis (s.str.) lampra* (Schawerda,1913) (Noctuidae)** Synonym(s): *evidens* Hübner,[1808] nec Thunb.,1784; *lampra* Schawerda,1913; *anapheles* Nye,1975 Original Reference: Leucania evidens var. lampra Schawerda,1913, Verh. zool.-bot. Ges. Wien 63: 157. Syntypes: [Bosnia-Herzegovina]: Bosnien, Herzegowina, Mojstrana. Range (in code): **FR IT DE CH AT CZ SK HU RO YU BG GR TR Cc RU St MD UA BY IR Elb Th Diz 04 12 13 25 30 49 65 75 04I 12E 12Ea 13G 13Gs 13Gw 25A 30B 30Bg 30D 30Da 65D 65Dg 65F 65Fr**

Material studied: 1♂. Turkey Van Prov., Çatak Darboğaz 2050m (65Dg) 8 6 2015 M. Kemal & A.Koçak leg. (Cesa) (**Fig. 62**).

- 433) *Simyra dentinosa* Freyer,1839 (Noctuidae)** Synonym(s): *dentinosa* Freyer,1839; *leucaspis* Fischer v. Waldheim,1840; *zeliha* Kornosor & Lödl,1990 Original Reference: Simyra dentinosa Freyer,1839, Neuere Beitr. Schmett. 3: 97, Tab. 263 fig.2,3. Type(s): [Türkei]: Konstantinopel [Istanbul]. Range (in code): **RO MK AL BG GR RU Ro Kr St Nt Da MD UA TR Cc GG IL Pa LB SY Dms Hal JO IQ IR Ss AF Hr TM 05 06 20 21 25 26 30 33 34 38 42 44 46 50 56 58 60 62 65 76 05A 21N 21Nh 30B 30Bd 30Bx 38H 44L 44Lc 56A 56F 56Fv 65D 65Dlc 65Ds 65Dt 65Dy 65F 65Fb 65Ff 65Fm 65Fp 65Fr 65Fu 65Fz 65K 65Kz 65Kg 65N 65Nc 65Nm 65Np 76B 76Bb**





**Fig. 62** - *Sideridis lampra*, at rest. Turkey, Van Prov., Çatak Darboğaz, M. Kemal & A.Koçak (Cesa)

**434) Spodoptera exiguum (Hübner,[1808])** (Noctuidae) Synonym(s): *exigua* Hübner,[1808]; *fulgens* Geyer,[1832]; *pygmaea* Rambur,1834; *junceti* Zeller,1847; *caradrinoides* Walker,1856; *flavimaculata* Harvey,1876; *venosa* Butler,1880; *sebghana* Austaut,1880; *antipodea* W.Warren,1914; *protector* De Laever,1985. Original Reference: Noctua exigua Hübner,[1808], Samml. eur. Schmett. Noct.2, Taf.78 fig.362. Type(s): Europa. Range (in code): MA DZ TN PT ES Mu FR Co Sa Si IT MT IE GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR GG AZ AM Cc DK NO SE FI EE LV LT RU MD UA BY CY LB Bsa IQ Agh Bgd Qr Amr KW PK Bl Qu AF Hr Gbh Srb Arh Dwe Kab ZA Gau Pre Tva Nta Kzu Dbn Est ZW IL Hf Rd Pa IR TH Fa Lo By Kz Yas Ke Hz B-A Ss Ha Kh Ab Oru Mz Elb Dam Kdj Kh Gh Bu Dlk Ro St Kb Nt Ich Ing Da ET ET24 YE Ad CV Az Md Cn Hw CA US Cp Rw Ges Ktr Agi Lgt BSa Gha Gtt Omy Ogl Gle Khh Blid Sét Abe Bsk Perr Sfr Btma Hmk DhM Hrh Onç Ah Ajj 01 05 07 08 13 14 16 17 18 21 25 27 29 30 31 32 33 36 38 42 43 44 45 46 49 50 51 52 56 58 63 64 65 69 05A 13A 13Ab 13Ax 13B 16A 21A 21N 21Nc 33G 44I 44Ic 49F 49Fb 56F 56Fb 56Fö 56Fç 56Fv 56Fc 56Fa 56Fs 56Fm 58N 63D 65D 65Dg 65F1 65Fz 65K 65Ku 65Kp 65L 65Lb 65Nc 65N 65Nc4 65Np1 65Np5 65Nm (Fig. 63)



**Fig. 63** - *Spodoptera exiguum*. Turkey, Van Prov., Çatak Darboğaz 2000m, 6 6 2004, M. Kemal & A. Koçak (Cesa)

- 435) *Standfussiana lucerneae* (Linnaeus,1758)** (Noctuidae) **Synonym(s):** *lucernea* Linnaeus,1758; *dubia* Vorbrodt,1911; *pallida* Schawerda,1933 **Original Reference:** *Phalaena lucerneae* Linnaeus,1758, Syst. Nat. (Edn.10)1: 510. Type(s): Europa. **Range (in code):** ES FR IT IS IE GB DE CH AT PL CZ SK RO YU AL MK BG GR TR IR Elb Kh Lo Ha Mz Es Th DK NO SE FI RU Cc Kb Da Kus MD UA BY AM AZ LB Bsa CY AF 06 13 18 25 30 44 46 58 65 06R 06Ra 06Rq 13G 13Gü 13Gw 25C 25Ca 30B 30Be 65D 65Dg 65F 65Fp 65Fg 65Fz (Fig. 64)



**Fig. 64** – *Standfussiana lucerneae*. Turkey, Van Prov., Çatak Darboğaz 2000m, 6 6 2004, M. Kemal & A. Koçak (Cesa)

- 436) *Tholera hilaris* (Staudinger,1901)** (Noctuidae) **Synonym(s):** *hilaris* Staudinger,1901; *gracilis* Kostrowicki,1963 **Original Reference:** *Epineuronia popularis* var. *hilaris* Staudinger,1901, [in] Staudinger & Rebel, Cat. Lep. palaearkt. Faunengeb. (3) 1: 155. Syntypes: [Turkey]: Pontus, Armenia; [Russia]: Sarepta. **Range (in code):** TR RU Sr Ich IL Js Pa JO Cc GG AZ AM IR Kh Nys 06 36 50 58 65 69 06C 06Cb 06E 06Ea 06R 06Rq 06Y 06Yb 58G 65D 65Dh 65F 65Fp 65Fz 65N 65Nb 65Np 65Np2 65Nm
- 437) *Thria robusta* Walker,[1858]** (Noctuidae) **Synonym(s):** *anysa* auct.; *robusta* Walker,[1858]; *fugitiva* Walker,[1858]; *opposita* Wallengren,1865; *sennaarensis* R.Felder & Rogenhofer,1874; *grandis* Staudinger,1877; *terrigena* Christoph,1877; *similata* Moore,1883; *distincta* Rothschild,1920; *asiria* Wiltshire,1988; *omana* Wiltshire,1988; *sokotrana* Wiltshire,1988 **Original Reference:** *Thria robusta* Walker,[1858], List Specimens lepid. Insects Colln Br. Mus. 13: 1112. Syntypes: South Africa. **Range (in code):** Cn MA DZ Ath Ah Ajj Abe Sfr TN PT ES LY EG Sn IL Pa LB SY JO IT MT GR CY TR IQ Agh Bgd kut Amr IR Fa Qz Elb Th Dam Mia Kaz Kd Snj Mrv Lo Km Ss Hz Mz Gl Kh B-A Ke SA As OM Sk AF PK TM Kp KK ID Ja ZA Nta Kzu Est Tva NA Dmr KE YE Ad SD ET ET24 IN LK MM TxI 07 21 23 30 33 50 56 58 63 65 73 21N 21Nh 30B 30Be 30Bj1 30D 30Da 56F 56Fm 58G 63E 65D 65Dh 73A 73Ab
- 438) *Trichoplusia ni* (Hübner,[1803])** (Noctuidae) **Synonym(s):** *ni* Hübner,[1803]; *humilis* Walker,1858; *extrahens* Walker,1858; *brassicae* Riley,1870; *echinocystidis* Strecker,1874; *deserticola* Rothschild,1913 **Original Reference:** *Noctua ni* Hübner,[1803], Samml. eur. Schmett. 4, Noctuae: Tab.58 fig. 284. Type(s): Europa. **Range (in code):** MA DZ TN LY PT ES Mu FR Co Sa Si IT MT IE GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR DK SE FI EE RU EG IL Hf Pa LB Bsa JO SY SA IQ Kq Agh Amr IR Fa By Yas Lo Kh Elb GG AM AZ Cc AF Bsg Nu Kab Hr Pl Srh Gbh Ca Arh Dwe PK IN KP KR CN US CA CU ZA MX Cn MD UA BY CV Wca Cto JP MG NZ Hw TH VN NP Elb Mz Th Kz Clu Dam Plr Kdj Ab Sdt Skh Kd Bne Snj B-A Hz Kaz Mia Ss Chh Ke UZ Br Ro Kr St Kb Nt Ich Ing Da DJ DJ44 Cp Tbl Smt Bjo Kir Der Hal Sbd Blid Afl Bsk Agi Hrh Sfr Perr BSA Ktr Dzc Abe Orn Gle Btina Hmk DhM Tun Mzg Onç Ah Ath 01 05 06 07 08 11 12 13 16 17 18 21 31 33 36 44 46 48 50 51 56 58 65 05A 06R 12E 12Ec 16A 21N 21Nh 31K 31Ka 31Ka3 33E 33G 36D 36Db 44L 44Lc 46G 46Gf 48L 56F 56Fv 56Fa 56Fb 56Fm 56Fç 65D 65Dd 65Dda 65Dl 65Dlc 65Dv 65F 65Fa 65Fb 65Fp 65Fr 65K 65Kp 65N 65Nc
- 439) *Tyta luctuosa* ([Denis & Schiffermüller],1775)** (Noctuidae) **Synonym(s):** *luctuosa* [Denis & Schiffermüller],1775; *italica* Fabricius,1781; *atra* Goeze,1781 nec Linn.,1767; *astroites* Fourcroy,1785; *maculosa* Villers,1789 **Original Reference:** *Noctua luctuosa* [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Wiener Gegend: 90. Type(s): [Austria]: Wien. **Range (in code):** MA DZ PT ES Mu FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd TR GG AZ Len AM Cc CY IL Pa Hf LB SY JO IR Ab Oru Jal Fa Es Ha Kh Elb Mz Dam Th Ab Km Kd DK SE FI EE LV LT RU MD UA BY At KG Tks Tk Dj KK Ik TrA Osh UZ CN Ui Kun Ku AF IQ Agh Ro Kr St Kb Nt Ich Kyi Da Sdt Bjr Zj Agi Btina Hmk Abe Hrh Perr Sét Tiz Dzc DhM Rbt 01 04 05 06 07 08 11 13 14 16 17 18 22 23 25 30 31 32 33 34 35 36 38 42 44 46 50 51 56 58 60 61 62 63 65 66 67 69 70 71 75 76 05A 06R 06Rd 13G 13Gy 16A 31K 31Ka 33G 36D 36Db 44E 44Eh 46G 46Gf 56F 56Fç 56Fb 56Fi 56Fy 58N 60G 63D 65D



65Dl 65Dlc 65Dt 65Du 65Dv 65F 65Fç 65Fz 65K 65Kp 65N 65Nc 65Np6 65Nm 65Kl 65M 65Mc 65Md 75F 75Fb 76A 76Ac 76B 76Bf 76Bh 76D 76Dd

- 440) Valeria kartalea Kuhna & Schmitz,1997** (Noctuidae) Synonym(s): *kartalea Kuhna & Schmitz,1997*; *thomaswitti Kravchenko, Speidel, Seplyarkaya & Müller,2007*; *josefmooseri Kravchenko, Speidel, Seplyarkaya & Müller,2007* Original Reference: Valeria kartalea Kuhna & Schmitz,1997, Jb. naturw. Ver. Wuppertal 5: 94-99. Holotype ♂: Türkiye: Gaziantep Prov., 30km W Gaziantep [Yamaçoba], 1100m (coll.Kuhna). Range (in code): **TR IL Pa 07 27 56 65 07C 07Cc 27B 56A 56Ac 56F 56Fğ 65D 65Dlc**
- 441) Valeria oleagina (Esper,[1786])** (Noctuidae) Synonym(s): *#oleagina [Denis & Schiffermüller],1775*; *oleagina Esper,[1786]*. Original Reference: Phalaena Bombyx oleagina Esper,[1786], Die Schmett. 2(3): 300, Tab.60, fig.4. Range (in code): **FR Sa Si IT MT DE CH AT PL CZ SK HU RO YU BG GR TR IQ LB 04 06 09 13 15 21 30 42 43 46 56 58 65 73 06R 06Rb 21N 21Nh 30A 30Ad 30B 43D 56A 56F 65D 65Dlc 65F 65Fm 65Fu 73A 73Aç 73C 73Cd**
- 442) Valerietta boursini De Freina & Hacker,1985** (Noctuidae) Synonym(s): *boursini De Freina & Hacker,1985* Original Reference: Valerietta boursini De Freina & Hacker,1985, Entomofauna 6 (19): 254-256, Abb. 18,20. Holotype ♂: [Türkei]: "Kleinasien: Prov. Hakkari, Zab-Tal, 25km SW Beytüşşebap, 1350m", 5.6.82 (leg. De Freina, coll. Hacker) [the given locality is incorrect]. Range (in code): **TR 13 30 65 73 13C 13Cf 30B 30Bg 30D 30Da 65D 73A**
- 443) Xylina lunifera W.Warren,1910** (Noctuidae) Synonym(s): *lunifera W.Warren,1910*; *#lunigera W.Warren,1910* Original Reference: Xylina lunifera W.Warren,1910, [in] Seitz, Gross-Schmett. Erde 3: 127-128 (31e). Type ♂: [Türkei]: Amasia (Tring Mus.). Range (in code): **MA ES RO YU BG GR TR Cc SY Ltk AM 05 06 08 24 25 62 65 75 06R 06Rb 25F 62G 65D 65Dh 65Dlc 75D**
- 444) Xylocampa mustapha (Oberthür,1910)** (Noctuidae) Synonym(s): *mustapha Oberthür,1910*; *mustapha Oberthür,1920* Original Reference: Cladocera mustapha Oberthür,1910, Bull. Soc. ent. Fr. (19): 353-354. Syntypes: Algérie, Constantine. Range (in code): **DZ Cst Lbs Agi Blid Hrh Ges MA Si IT IQ TR LB IL Js Pa JO 02 06 07 09 15 16 21 23 31 32 33 35 43 46 65 06R 06Rb 16A 21N 21Nh 23I 31K 31Ka 43D 65D 65Dlc**
- 445) Zekelita (Ravalita) ravalis (Herrich-Schäffer,[1852])** (Noctuidae) Synonym(s): *ravalis Herrich-Schäffer,[1852]*; *revolutalis Zeller,1852*; *eremialis Swinhoe,1889 nec Walk.,1859*; *centralis Staudinger,1892*; *syriacalis Staudinger,1892*; *extorris W.Warren,1913*; *#pallida Schawerda,1929*; *#transcaspica Brandt,1941*. Original Reference: Hypena ravalis Herrich-Schäffer,[1852], Syst. Bearb. Schmett. Eur. 2: 425. Type(s): [Türkei]: Amasia. Range (in code): **GR RU AZ Kir Cc Ich Da Der TR CY IL Pa LB Bei IQ Mos Dia Ry Rwz Brs Agh Amr KG KK PK Sd IN AF Hr Blh Gbh Srb Pli Bd Fz Kab EG BH JO SY IR Ak Shf Fa Ss Kh Elb Gh Mz Kd Bjr Zj Ke Hz B-A TM Kp UZ Tas Fe N-A ZA 01 05 06 07 08 13 18 24 25 30 31 33 42 44 46 50 56 58 62 65 69 70 76 05A 08H 08Ha 13A 30B 30Bc1 30Bx 30D 30Dx 31K 31Ka 31Ka5 44E 44Eh 56F 56Fv 56Fç 56Fö 58G 58Gb 58N 65D 65Du 65K 65Kz 65Kg 76C**
- 446) Zekelita (Rhynchodontodes) antiqualis (Hübner,[1809])** (Noctuidae) Synonym(s): *antiqualis Hübner,[1809]*; *anatolica Wagner,1931*; *#antiquilis Zukowsky,1941* Original Reference: Pyralis antiqualis Hübner,[1809], Samml. eur. Schmett. 6, Pyralides: Tab.23 fig.152. Type(s): Europa. Range (in code): **Si IT RO YU AL BG GR Cr CY TR AM GG Lag AZ Nv Ord RU Cc Ro St Kr LB Bsa IL Pa JO IR Ab Oru Sdt Mrv Bne Km Kd Sqq AF 01 03 05 06 07 08 12 16 17 18 24 30 32 33 35 36 37 42 44 45 46 48 50 51 56 58 62 65 67 70 73 03E 05A 06R 06Rb 16A 30B 30Bj1 37K 42R 42Rb 44L 44Lc 48L 56F 56Fa 56Fs 56Fv 65D 65Dg 65Ds 65Dv 65F 65Fr 65Fp 65Fz 70C 70Ce 73A 73Ab 73Ad 73Ad2 (Fig. 65)**
- 447) Zethes brandti Janzon,1977** (Noctuidae) Synonym(s): *nemea Brandt,1938 (p.p.)*; *nemea sensu Koçak,1977*; *brandti Janzon,1977*. Original Reference: Zethes brandti Janzon,1977, Ent. scand. 8: 173-175, figs. Holotype ♂: Iran: Fars: Chiraz-Kazeroun , Fort Sine Sefid, 2200m (coll.Brandt). Range (in code): **IR Fa Mia Kaz Kz Yas Ss Kuh TR PK Cls 21 30 56 63 65 73 21L 56F 56Fg 56Fc 56Fb 56Fm 56Fs 63M 65D 65Dl 65Dlc 73A 73Ad 73Ad2 73C 73Cd**



**Fig. 65** – *Zekelita antiquesalis*. Turkey, Van Prov., Çatak Darboğaz 2000m, 6 6 2004, M. Kemal & A. Koçak (Cesa)

- 448) Zethes narghisa Brandt,1938** (Noctuidae) Synonym(s): *narghisa* Brandt,1938 Original Reference: *Zethes narghisa* Brandt,1938, Ent. Rdsch. 55: 568, figs. 149-151. Syntypes ♂♀: Iran: [Fars]: Fort Sine-Sefid, Mian-Kotal. Range (in code): **TR IR Fa Kaz Mia Com Sse Ss Kuh PK 13 30 46 47 56 62 65 73 30B 30Bh 47D 56F 56Fo 56Fg 65D 65Dh 65Dv 73C 73Cd**
- 449) Cerura (s.str.) vinula (Linnaeus,1758)** (Notodontidae) Synonym(s): *vinula* Linnaeus,1758; *minax* Hübner,[1803]; *teberdina* Kornejev,1939 Original Reference: *Phalaena vinula* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 499. Range (in code): **ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR GG Smt Bjo Mng Lag AM AZ Kir Cc TR DK NO SE FI EE LV LT RU Kb Teh MD UA BY IQ Agh IR Ab Oru Ak Shf Kh AF Nu Bsg Kab CN Ui Khr Um 03 06 07 12 13 15 16 24 25 30 31 32 33 34 35 36 42 43 45 46 49 56 58 60 62 64 65 03A 03Aa 04E 04Ea 04I 06R 06Ra 06E 06Ea 07C 13G 13Gw 13Gs 25F 30Bd 30Bx 30Bh 30D 30Da 31A 31Aa 33F 36D 36F 42D 42J 49E 49Ea 56F 56F3 58G 58N 60C 62G 64F 65D 65Dc 65Dj 65F 65Fg 65Fz 65N 65Np1 65Nm**
- 450) Clostera pigra (Hufnagel,1766)** (Notodontidae) Synonym(s): *pigra* Hufnagel,1766; *reclusa* [Denis & Schiffermüller],1775; *alticaudafurcata* Retzius,1783; *suffusa* Stephens,1835; *superior* Rangnow,1935; *#flavidior* Bytinski-Salz,1936 Original Reference: *Phalaena pigra* Hufnagel,1766, Berl. Mag. 2: 466. Type: [Germany]: Berlin. Range (in code): **PT ES FR IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR GG Tbl Smt Bjo AZ Kir AM Cc DK NO SE FI EE LV LT RU MD UA BY IQ CN Ui Ku 04 06 08 12 14 24 30 31 36 42 44 46 49 56 58 60 62 65 04E 04Ea 06R 08H 30B 30Bd 30Bx 30Bh 30Bg 30D 30Da 36F 42B 49E 49Ea 56F 56F3 56F1 56Fw 60C 62E 65D 65Dh**
- 451) Drymonia ruficornis (Hufnagel,1766)** (Notodontidae) Synonym(s): *ruficornis* Hufnagel,1766; *confusa* Hufnagel,1767; *chaonia* [Denis & Schiffermüller],1775; *roboris* Fabricius,1777; *ilicis* Fabricius,1793; *roboreus* Haworth,1803; *querneus* Haworth,1803 Original Reference: *Phalaena ruficornis* Hufnagel,1766, Berl. Mag. 2: 424. Type: [Germany]: Berlin. Range (in code): **PT ES FR Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR AZ Cc Len DK NO SE EE LV LT RU MD UA BY 05 06 07 10 21 32 33 34 42 65 71 80 05A 06A 06Aa 06R 06Ra 06Rb 10U 21N 21Nh 33F 42B 42D 65D 65Dlc 71C 71Cc 80B 80Bb**
- 452) Harpyia milhauseri (Fabricius,1775)** (Notodontidae) Synonym(s): *milhauseri* Fabricius,1775; *terrifica* [Denis & Schiffermüller],1775; *vidua* Knoch,1781; *albida* Daniel,1932 Original Reference: *Bombyx milhauseri* Fabricius,1775; Syst. Ent.: 577. Type(s): [Germania]: Dresden. Range (in code): **PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK SE LV LT RU MD UA BY IQ 05 06 07 10 12 13 14 21 24 30 31 33 37 42 46 48 49 53 56 60 62 64 65 66 71 73 05A 06R 06Ra 06Rb 07B 10U 12A 12Aa 13G 13Gy 14B 21N 21Nh 30B 30Bg 30Bh 31K 31Ka 33G 33F 37P 42B 48G 48Gb 49E 49Ea 53M 53N 56A 56F 56Fb 56F3 56Fa 64F 65D 65Ds 65Dy 65F 65Fe 66P 71C 71Cc 71D 73C 73Ce**
- 453) Pterostoma palpinum (Linnaeus,1761)** (Notodontidae) Synonym(s): *#palpina* Clerck,1759; *palpina* Linnaeus,1761; *caudapiscina* Goeze,1783; *salicis* Germar,1812. Original Reference: *Phalaena palpina* Linnaeus,1761, Fauna Suecica 2: 305. Type: Sweden. Range (in code): **DZ Anna PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Lag Smt Bjo AZ Kir DK NO SE FI EE LV LT RU MD UA BY 06 12 13 16 19 24 25 30 32 36 37 42 46 49 50 56 60 65 06R 06Ra 06Rh 12E 13C 13Cf 13F 13G 13Gw 13Gs 13Gy 16A 19P 24G 25F 30B 30Bd 30Bx 30C 30Cd 30D 30Da 36D 36Db 36F 37C 42D 42R 46D 49E 49Ea 50G 50Gd 56F 56F3 56F1 60C 65D 65F 65Fe 65Fp 65Fr 65Fz 65Fg 65N 65Np6 65Nm**
- 454) Spatalia argentina ([Denis & Schiffermüller],1775)** (Notodontidae) Synonym(s): *argentina* [Denis & Schiffermüller],1775 Original Reference: *Bombyx argentina* [Denis &



Schiffermüller], 1775, Ankündigung syst. Werkes Schmett. Wienergegend: 62, Tab. Ia-b fig.2. Type(s): [Austria]: Vienna district. Range (in code): ES FR Si IT DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc IQ LB Bsa 05 06 07 08 10 12 13 14 16 17 20 21 24 30 31 32 33 35 42 46 49 56 61 62 64 65 66 71 73 80 05A 06R 06Ra 06Rb 07C 08H 10D 10N 10P 10U 12A 12Aa 13F 13G 13Gy 13Gg 14B 14Bb 16A 17E 17H 17M 21L 21Lc 21N 21Nb 21Nc 30B 30Bd 30Bx 30Be 30Bh 33E 33F 42B 42R 46D 49E 49Ea 56F 56F1 56F3 56Fa 56Fc 56Fy 56Fm 56Fg 60C 61L 62E 64A 64F 65D 65Dl 65Dlc 65Ds 65F 65Fe 66P 71D 73A 73Ab 73Ad 73Ad2 73Ae 73C 73Ce 73Cd 80C

455) **Esperia imitatrix (Zeller,1847)** (Oecophoridae) Synonym(s): *imitatrix* Zeller,1847 Original Reference: Dasycera imitatrix Zeller,1847, Isis 1847: 35. Syntypes: "Rhodus, Flos, Mermeriza". Range (in code): GR Cr Rd TR LB Bei 06 31 38 45 46 48 65 06R 06Rb 31K 31Ka 31M 48G 65D 65Dn 65F 65Fb

456) **Esperia intermediella (Stainton,1867)** (Oecophoridae) Synonym(s): *intermediella* Stainton,1867 Original Reference: Dasycera intermediella Stainton,1867, Tineina of Syria and Asia minor: 57. Range (in code): TR 05 42 46 65 71 05A 65D 65Dn 71C 71D

457) **Pleurota (s.str.) pyropella ([Denis & Schiffermüller],1775)** (Oecophoridae) Synonym(s): *pyropella* [Denis & Schiffermüller],1775 Original Reference: Tinea pyropella [Denis & Schiffermüller], 1775, Ankündigung syst. Werkes Schmett. Wienergegend: 137. Type(s): [Austria]: Vienna district. Range (in code): DZ PT ES FR Co Sa Si IT DE CH AT CZ SK HU RO YU AL BG GR Cr TR Cc LB Bsa CY RU MD UA BY 05 06 10 13 16 21 31 40 42 44 46 51 56 65 73 75 05A 06R 06Rb 06Rd 10K 10Ka 13A 13Ab 13Ax 16A 21L 21Lf 31M 56Dh 56Dg 65D 65N 65Np2 65Nm 73D 73Df 73Dfc 73E 73Eb 73H 73Hb 75D

458) **Pleurota sp. n.** (Oecophoridae) – Description of this species is under preparation.

459) **Cnaemidophorus rhododactylus (Fabricius,1787)** (Pterophoridae) Synonym(s): *#rhododactyla* [Denis & Schiffermüller],1775; *rhododactylus* Fabricius,1787; *koreana* Matsumura,1931; *#rhododactyls* Arenberger,1998 Original Reference: Pterophorus rhododactylus Fabricius,1787, Mantissa Insectorum 2: 258. Type: Saxonia. Range (in code): DZ Eba PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR Cc AM Eri IR Ab Mak Gls Kd Bne Es Kh Ha Zj LB Bsa DK NO SE FI EE LV LT RU Us TJ UZ MD UA BY Ld Ch CN Ui KP KR JP 05 06 16 42 46 65 05A 16A 65D 65Dl 65Dlc 65F 65Fz 65Fp

460) **Pterophorus pentadactylus (Linnaeus,1758)** (Pterophoridae) Synonym(s): *pentadactylus* Linnaeus,1758; *tridactyla* Scopoli,1763; *sulphurea* Staudinger,1880. Original Reference: Alucita pentadactyla Linnaeus,1758, Syst. Nat. (Edn.10) 1: 542. Range (in code): PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU HV B-H MK AL BG GR Cr TR DK NO SE FI EE LV LT RU Kb Teb No St Us Prj Sr Tt MD UA Cm BY SY Hal Cc Kc Teb AM AZ GG IR Ab Oru Gor Gls Mz Gh Nos TM KG Tk Dj TrA Aa CN Ui Ku Yu Sz Mc Jn TW 04 05 06 08 14 16 24 31 34 42 44 46 50 58 61 65 76 05A 06R 16A 31M 58G 65D 65Do 65Doa 76C

461) **Stenoptilia mannii (Zeller,1852)** (Pterophoridae) Synonym(s): *mannii* Zeller,1852; *megalochra* Meyrick,1930 Original Reference: Pterophorus manni Zeller,1852, Linn. Ent. 6: 375-376. Type ♂: [Turkey]: "Brussa in Kleinasien". Range (in code): MA FR MK BG GR TR RU IR Ab Mmş Ar Elb Th Cc GG AM Eri UA Cm CN Ui Ku LB IQ UZ KK 03 05 06 16 24 25 30 42 46 50 60 65 05A 06R 16A 25R 25Rb 65D 65Dp 65Di 65F 65Fz 65Fw

462) **Acrobasis atrisquamella Ragonot,1887** (Pyralidae) Synonym(s): *atrisquamella* Ragonot,1887; *nigrisquamella* Amsel,1954 Original Reference: Acrobasis atrisquamella Ragonot,1887, Annls Soc. ent. Fr. 1887: 228. Syntypes: [Turkey]: Malatia. Range (in code): TR IR Fa IQ Ssa IL LB Bei 05 44 46 47 65 05A 65D 65Dv 65Dt 65Du

463) **Acrobasis centunculella (Mann,1859)** (Pyralidae) Synonym(s): *centunculella* Mann,1859 Original Reference: Myelois centunculella Mann,1859, Wien. ent. Monatschr. 3: 165. Type(s): Sicilia. Range (in code): ES Mu FR Si IT RO YU BG GR TR 16 65 16A 65D 65Do

464) **Acrobasis glaucella Staudinger,1859** (Pyralidae) Synonym(s): *glaucella* Staudinger,1859; *fallouella* Ragonot,1871; *anatolica* Caradja,1910. Original Reference: Acrobasis glaucella Staudinger,1859, Stettin ent. Ztg. 20: 255. Syntypes: Spain: Granada. Range (in code): DZ Lbs LY Cy PT ES FR Co Sa Si IT DE CH AT CZ SK HU RO YU BG GR Cr CY RU MD UA BY TR IL Pa Hf IR Ab Ak Elb Fa LB Bsa 01 05 06 13 31 35 42 46 65 71 05A 13F 31M 42B 65D 65Du 65Dv 65Dt

465) **Acrobasis repandana (Fabricius,1798)** (Pyralidae) Synonym(s): *repandana* Fabricius,1798; *tumidella* Zincken,1818; *zelleri* Ragonot,1888. Original Reference: Pyralis repandana Fabricius,1798, Ent. Syst. Suppl.: 478. Type: Europa. Range (in code): PT ES FR Sa IT GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR DK NO SE FI EE LV LT RU MD UA BY TR 06 21 65 06R 06Rb 21N 21Nh 65D 65Dt 65Dv

466) **Aeglotis argentalis (Christoph,1887)** (Pyralidae) Synonym(s): *argentalis* Christoph,1887 Original Reference: ?Anaeglis argentalis Christoph,1887, [in] Romanoff, Mém. Lépid. 3: 106-109, Pl.5 fig.6. Type ♂: [Turkmenistan]: "Kisil-Arwat". Range (in code): IR Elb Kdj Th Ha Fa Com TM Kp K-A IQ Hjo Er TR PK Swa Kkar SdS 30 65 30D 30Dx 65D 65Dt

- 467) Agriphila geniculea (Haworth,[1811])** (Pyralidae) Synonym(s): *geniculea* Haworth,[1811]; *imistella* Hübner,[1813]; *angulatellus* Duponchel,1836; *suspectellus* Zeller,1839. Original Reference: *Palparia geniculea* Haworth,[1811], Lep. Brit.: 489. Type ♂: England. Range (in code): **DZ Lbs PT ES An Grn Snv FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO GR DK NO SE RU MD UA BY TR JO IL Pa Hf LB 05 16 34 58 65 05A 16A 34R 34Rb 65D 65N 65Np 65Nm**
- 468) Ancyloleptomyia palpella ([Denis & Schiffermüller],1775)** (Pyralidae) Synonym(s): *palpella* [Denis & Schiffermüller],1775; *sovinskyi* Krulikovskiy,1909 Original Reference: *Tinea palpella* [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 134. Type(s): [Austria]: Vienna district [Types presumably destroyed by fire in 1848]. Range (in code): **DZ Lbs Cst PT ES FR IT BE AT SK HU RO YU AL BG GR CY RU MD UA BY IR IQ Shq Amr Mos IL Pa Js LB TR Cc EG TM Kp KG 05 06 10 16 31 33 36 42 46 58 65 71 05A 16A 31M 65D 65Dh 65N 65Nb 65Np8 65Nm**
- 469) Ancylosis cinnamomella (Duponchel,1836)** (Pyralidae) Synonym(s): *dilutella* Tr.,1832 [n.o.]; *cinnamomella* Dup.,1836; *labeomella* Staudinger,1859; *lafauryella* Rag.,1887; *byzacaeniella* Rag.,1887; *roseopennella* Rag.,1901; *tunesella* Caradja,1910; *fuliginosa* Rothschild,1913; *pictella* Tur.,1922; *ferrugineolineella* Tur.,1924. Original Reference: *Phycis cinnamomella* Duponchel,1836, Hist. nat. Lépid. Papillons Fr. 10: 190, Pl.279, f.4. Type(s): France: Montpellier. Range (in code): **DZ TN Gf PT ES Mu FR Co Sa Si IT BE LU DE CH AT PL CZ SK HU RO YU AL MK BG GR NO SE FI LV MD RU Or Sb Ur UA BY KG Uk Ind TM TR LB Bei Bsa SY Dms IL Hf Js JO IQ Shq Mos Bsr EG EG11 IR Elb KJ Th Fa Ha Ss AF Kab Kbb Pag CN Ui Ku UZ Man KK T-S Cc AZ Kir MN Mri Eba MA Ifr Ouk 01 03 05 06 09 13 14 16 21 26 31 34 42 46 47 65 71 76 05A 13F 16A 65D 65Dg 65Fp 65Fz 76C**
- 470) Ancylosis hellenica (Staudinger,1870)** (Pyralidae) Synonym(s): *hellenica* Staudinger,1870; *deliciosella* Caradja,1910 Original Reference: *Myelois rhodochrella* var.? *hellenica* Staudinger,1870, Horae Soc. ent. ross. 7: 209210. Tab.2 fig.18. Syntypes 4♂: Griechenland: Attica. Range (in code): **LY Cy EG EG11 SD SA SA63 MK BG GR CY TR Cc IQ Shq Bgd Mos IL Hf Js Jer Jf Pa JO IR Elb KJ Th Fa Shr Ss Irs Ana Ke Ahz LB Bei Bsa SY Dms TM Kp AF Hr Kab Srb PK Nwf Bl Qu Gg Hu UZ Br 03 06 07 08 09 13 16 21 34 35 41 42 44 46 56 58 65 70 76 08H 08Ha 13F 16A 44I 44Ib 56F 65D 65Du 65Dt 65N 65Np 65Nm 70C 70Ce 76C**
- 471) Ancylosis oblitella (Zeller,1848)** (Pyralidae) Synonym(s): *oblitella* Zeller,1848; *homographis* Hampson,1930; *ischnopsis* Meyrick,1937; *major* Lucas,1948; *ochraeella* Lucas,1948; *boitella* Lucas,1950; *calaritalella* Amsel,1951; *indistinctella* Lucas,1955. Original Reference: *Ephestia oblitella* Zeller,1848, Isis 1848: 597. Lectotype ♂: Russland: Sarepta (Roesler,1973: 440). Range (in code): **MA TN DZ Bsk LY Cy PT ES FR Sa Si IT MT GB BE NL DE CH AT PL CZ SK HU RO HV MK B-H YU AL BG GR CY DK LV RU Sr MD UA BY TR LB Bei IL Jf Js Hf Pa IQ Mos Bgd Dia IR Elb Th Mz Kh Msh SA SA63 EG AF Hr PK Gg KG Uk TM Kp MN NP 01 06 09 13 21 31 34 42 46 65 71 76 13F 31M 42B 65D 76C**
- 472) Anthophilopsis baphialis (Staudinger,1870)** (Pyralidae) Synonym(s): *baphialis* Staudinger,1870; *plumbiferalis* Christoph,1877; *#baphiale* Caradja,1916; *#oleaginalis* Amsel,1970 Original Reference: *Anthophilodes baphialis* Staudinger,1870, Horae Soc. ent. ross. 7: 183-184, pl.2 fig.7. Type: Griechenland, Athen. Range (in code): **GR TR Cc IL Pa Hf TM Kp IR Ahz Ss Chh Bu Shr Com Fa Enz Gls Irs Ana Ke Gh Tgo KW IQ Bgd Kbl Mos Ry Amr EG EG11 AF Hr In Bmu Dwe Srb Gbh Pli Ca Kab Blh Arh Cc GG Tbl AZ Kir Bak Da Der AM Eri 01 06 21 31 33 35 42 46 56 63 65 76 80 01K 06R 21L 31A 56F 56Fé 63D 63Dc 65D 65Du 76B 76Bb 76C**
- 473) Aporodes floralis (Hübner,[1809])** (Pyralidae) Synonym(s): *floralis* Hübner,[1809]; *stygielis* Treitschke,1829; *siculis* Duponchel,1833; *conversalis* Duponchel,1834; *meleagrisalis* Walker,1859; *transversalis* Moore,1878; *grisealis* Caradja,1916; *#florealis* Rebel,1939 Original Reference: *Pyralis floralis* Hübner,[1809], Samml. eur. Schmett. 6, Pyralides: Tab.22 fig.142. Type(s): Europa. Range (in code): **TN Sfx PT ES FR Co Sa Si IT MT DE AT CZ SK HU RO YU AL BG GR Rd Cr TR Cc IR Ahz Kdj Th Elb Nss Fa Shr Com Ss Kh Chh Qz Men IQ Mos Bgd Kbl Shq Ssa Amr GG IL Pa LB YE CY LB AF Ca Hr Bmu Pli Blh Gbh Srb Anh Fz Dwe Kab Arh Sen Pnj Bark Pag Ca Asm CN Ui Yk PK Sd Krc Cp Hf Cc GG Bjo Tbl Kir Da Der AZ IN Mh Bba Kz Sde Irs PL KG Tks Mz DZ Clo Ajj MA 01 05 06 13 16 21 23 31 33 42 44 46 56 58 61 65 76 01K 05A 13F 16A 21N 21Nb 31A 31K 31Ka 31Ka3 31M 42B 46H 46Hc 56F 65B 65Bo 65Bx 65D 65Dv 76A 76Ac 76B 76Bb 76C**
- 474) Arsisia divaricella (Ragonot,1887)** (Pyralidae) Synonym(s): *divaricella* Ragonot,1887; *#aurantiacella* Caradja,1910; *velocella* Toll,1948; *firusella* Amsel,1961. Original Reference: *Bradyrrhoa divaricella* Ragonot,1887, Annls Soc. ent. Fr. (6)7: 240. Type(s): [Usbekistan]: Samarkand (MNHNP). Range (in code): **UZ Smk TR Cc GG IR Fa Sse Com Ha Ss Kh Th Elb Kdj Nss Km Kd Lo Zj SA SA63 01 12 13 31 46 65 76 12A 12Ab 13F 65D 65Dv 76C**
- 475) Arsisia ramosella (Herrich-Schäffer,[1855])** (Pyralidae) Synonym(s): *ramosella* Herrich-Schäffer,[1855]; *albiramosella* Caradja,1916; *caradjaella* Zerny,1939. Original Reference: *Pyralis ramosella* Herrich-Schäffer,[1855], Syst. Bearb. Schmett. Eur. 6:148, Taf.21 fig.146. Type(s): [Türkei]: Amasia. Range (in code): **TR RU Sr LB Bei IR Elb Th Kdv Kd Fa Ha Zj Kh Shh Ab TM Kp Cc AM AF Hr Kab Kbb Pnj Srb Slg 05 06 13 42 45 46 47 56 58 65 70 05A 06Y 13F 13Fb 56F 56Fs 56Fs1 65D 65Drd 65Dv 65Dh 65Dt 65Du 65F 65Fe 65Fp 65Fz 65N 65Np2 65Nm 70C 70Ce**



- 476) Asalebria (Exophora) florella (Mann,1862)** (Pylalidae) Synonym(s): *florella* Mann,1862; *chiclanensis* Staudinger,1870; *syriella* Amsel,1954; *joesti* Amsel,1954; *vartianae* Roesler,1969  
Original Reference: Nephopteryx florella Mann,1862, Wien. ent. Monatschr. 6: 391, Taf.3 fig.10. Lectotype ♂: [Croatia: Dalmatia]: "Spalato" [Split] designated by Roesler,1993, Microlepid. Palaeart. 8: 183 (NHMW). Range (in code): MA DZ TN Gf PT ES Grn Mu An Sa Co IT FR DE RU RO BG HV DI MK AL GR Kf Tyg TR LB Bsa TR SY Ltk IL Hf Pa Cr 06 09 13 16 31 42 46 65 13A 13Ab 13Ax 16A 31M 65D 65Dv 65F 65Fp 65N 65Nc 65Nc4
- 477) Asalebria (s.str.) geminella (Eversmann,1844)** (Pylalidae) Synonym(s): *geminella* Eversmann,1844 Original Reference: Myelophila geminella Eversmann,1844, Fauna lepid. Volga-Ural.: 564. Type: Russia: Ural. Range (in code): PT ES HU TR RU Ur KG Uk 13 30 65 13F 30B 30Bc1 30Bx 65D 65Dl 65Dlc
- 478) Bazaria leucochrella (Herrich-Schäffer,[1855])** (Pylalidae) Synonym(s): *leucochrella* Herrich-Schäffer,[1855]. Original Reference: Pempelia leucochrella Herrich-Schäffer,[1855], Syst. Bearb. Schmett. Eur. 5: 150, figs. Type(s): [Türkei]: Amasia. Range (in code): TR IR Ha Kj Th Elb Kd EG 05 65 05A 65D 65Dt
- 479) Bradyrrhoa cantenerella (Duponchel,1837)** (Pylalidae) Synonym(s): *cantenerella* Duponchel,1837; *ravella* Heydenreich,1851; *subflavella* Ragonot,1887; *sardicolella* Schawerda,1936; *variegatella* Lucas,1948; *brunneella* Lucas,1955 Original Reference: Phycis cantenerella Duponchel,1837, Hist. nat. Lépid. Papillons Fr. 10: 347, Pl.284, fig.8. Type ♂: France: Korsika. Range (in code): MA DZ TN PT ES FR Co Sa Si IT MT CH YU MK GR TR Cc AM KK Na 05 06 16 31 46 65 05A 16A 65D 65Dt
- 480) Bradyrrhoa gilveolella (Treitschke,1833)** (Pylalidae) Synonym(s): *gilveolella* Treitschke,1833 Original Reference: Phycis gilveolella Treitschke,1833, Schmett. Eur. 9(2): 271. Type(s): Ungarn. Range (in code): Si RO YU AL MK BG GR TR IR Ab Cc AM Eri RU MD UA Cm BY KK Na AU 01 05 06 13 16 21 22 23 29 30 31 44 51 38 42 44 46 51 56 58 65 71 77 05A 13A 13Ab 13Ac 13Ag 13Ax 13F 13F6 16A 21N 21Nb 30B 30Bc1 30Bx 31M 44E 44Eh 44I 44Ic 44L 44Lc 56F 56F1 65D 65Dh 65F 65Fp 65Fz 65N 65Np2 65Np5 65Nr2 65Nm
- 481) Bradyrrhoa trapezella (Duponchel,1836)** (Pylalidae) Synonym(s): *trapezella* Duponchel,1836; *cinerella* Duponchel,1836; *saxeella* Zeller,1848; *chalconiella* Herrich-Schäffer,1851; *seniella* Staudinger,1879; *petryi* Schawerda,1933. Original Reference: Phycis trapezella Duponchel,1836, Hist. Nat. Lépid. Papillons Fr. 10: 186, pl. 278, fig.8. Type ♂: France: Montpellier (MNHNP). Range (in code): Cn TN Dhm FR Co Sa Si IT HV YU MK BG GR TR TM 05 16 38 42 46 65 05A 16A 65D 65Dt 65Du
- 482) Cadra furcatella (Herrich-Schäffer,[1849])** (Pylalidae) Synonym(s): *furcatella* Herrich-Schäffer,[1849] Original Reference: Homoeosoma furcatella Herrich-Schäffer,[1849], Syst. Bearb. Schmett. Eur. 4: 107. Type(s): Österreich: Alpeleck. Range (in code): IR Fa Elb LB IQ Cc AZ GG AF Srb Pag Kab Pic Bd Nu Bsg Bkt UZ LY Cy Co Sa Si IT MA PT ES Mu An Py CZ SK AT HU RO HV B-H YU MK BG AL GR Cr TR RU 01 03 05 06 09 13 16 21 31 42 44 46 65 71 05A 13F 13F6 16A 31M 65D
- 483) Chilo pulverosellus Ragonot,1895** (Pylalidae) Synonym(s): *pulverosellus* Ragonot,1895; *brevipalpellus* Zerny,1914; *fernandezi* Joannis,1932; *lemarchandellus* Lucas,1945. Original Reference: Chilo pulverosellus Ragonot,1895, Bull. Soc. ent. Fr. 1895: xcvi. Type ♀: [Turquie]: Akbes. Range (in code): FR IT BG RU Da Cc TR JO IL Js Jt Pa SY Dms TM UZ Br 13 31 42 46 65 31M 42A 46G 46Gf 65D 65Dv
- 484) Chrysocrambus craterellus (Scopoli,1763)** (Pylalidae) Synonym(s): *craterellus* Scopoli,1763; *rorella* Linnaeus,1767; *klimeschi* Toll,1938; *alpinus* Bleszynski,1958; *abruzzellus* Bleszynski,1958. Original Reference: Phalaena craterellus Scopoli,1763, Entomologia Carniolica: 246. Type(s): [Slovenien]: Carniolia [Krain]. Range (in code): DZ Cst Clo PT ES FR IT GB BE DE CH AT PL CZ SK HU RO YU AL BG GR RU Ur MD TR Cc Arr CY JO IR Kh LB Bsa 01 05 06 10 13 14 16 22 36 37 38 39 40 46 48 50 58 65 69 71 76 05A 06R 06Rd 10K 10Ka 13G 13Gg 16A 65B 65Bn 65Bn1 65D 65Dg 65Dl 65Dlc 65N 65Nc 65Np1 65Np2 65Nm
- 485) Chrysocrambus linetellus (Fabricius,1781)** (Pylalidae) Synonym(s): *linetellus* Fabricius,1781; *cassentiniellus* Herrich-Schäffer,[1848]; *distinctus* Müller-Rutz,1920; *chrysocrossis* Meyrick,1936; *#marioni* Dufrane,1960. Original Reference: Tinea linetella Fabricius,1781, Spec. Ins.2: 291. Lectotype ♂: Italia: Piemont (Bleszynski,1965: 344). Range (in code): ES FR Co Sa Si IT GB CH AT SK HU RO YU AL BG GR Cr TR SY JO IR Gh Tgo LB IQ CY Rd UZ Br CN Ui Cc AZ Len 01 04 06 13 33 42 44 50 53 58 65 76 80 06R 13A 13Ab 13Ax 13B 13Bd 13G 13Ge1 13Gf 13F 13F6 44L 44Lc 65B 65Bö 65Bx 65D 65K 65Kl 76C
- 486) Chrysocrambus syriellus (Zerny,1934)** (Pylalidae) Synonym(s): *syriellus* Zerny,1934 Original Reference: Crambus syriellus Zerny,1934, Dt. ent. Z., Iris 448: 2, Taf.1 fig.3 Lectotype ♂: Libanon: Becharre (Bleszynski,1965: 357). Range (in code): LB Bsa Bei SY TR IL Pa JO IQ Hjo AF 05 06 31 46 65 05A 31A 31K 31O 65D
- 487) Crambus perlellus (Scopoli,1763)** (Pylalidae) Synonym(s): *perlellus* Scopoli,1763; *dealbellus* Thunberg,1788; *warringtonellus* Stainton,1849. Original Reference: Phalaena perlella

Scopoli,1763, Entomologia Carniolica: 243. Type(s): [Slovenien]: Carniolia [Krain]. Range (in code): MA PT ES FR Sa IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR DK NO SE FI EE LV LT RU MD UA BY TR GG AM Cc AZ KG Uk IR Shh Plr Dam KK AF Ch CN Ui Kml US 01 14 13 16 24 25 42 51 58 65 69 76 13A 13Ab 13Ax 16A 65B 65Bo 65Bx 65D 65Dç1 65Fz

**488) Cynaeda (Noctuella) nepticulalis (Hofmann,[1898])** (Pyralidae) Synonym(s): *nepticulalis* Hofmann,[1898] Original Reference: Aporodes nepticulalis Hofmann,[1898], Dt. ent. Z., Iris 10: 236. Type ♂: [Türkei]: Angora [Ankara]. Range (in code): TR 06 46 65 71 65D 65F 65F1 65Fz

**489) Cynaeda (Usgentia) vespertalis (Herrich-Schäffer,[1855])** (Pyralidae) Synonym(s): *vespertalis* Herrich-Schäffer,[1855]; *#gilvalis* Zerny,1914; *#sordidalis* Zerny,1914. Original Reference: Noctuella vespertalis Herrich-Schäffer,[1855], Syst. Bearb. Schmett. Eur. 6: 140, figs. 121-123. Range (in code): Si GR LB TR Cc AM IR Kh Elb Th Kdj Fa Yz 01 05 13 31 33 42 45 46 55 65 72 80 05A 13G 13Gç 65D 65Dl 65Dlc 65Dr 65Drb 65F 65Fç 65Fz 72E 72Eh 80E 80Ea (Fig. 66)



**Fig. 66 - Cynaeda (Usgentia) vespertalis.** Turkey Van Prov., Çatak, Karadana 1780m, 21 6 2008, M. Kemal & A.Koçak (Cesa)

**490) Cynaeda (s.str.) gigantea (Staudinger,1879)** (Pyralidae) Synonym(s): *#gigantea* Wocke,1871; *gigantea* Staudinger,1879 Original Reference: Odontia dentalis v. gigantea Staudinger,1879, Horae Soc. ent. ross. 15: 165-166. Syntypes: [Türkei]: Amasia. Range (in code): FR CH HU YU GR Cr TR IQ Hjo Ssa IR Fa Shr Com Sse Gls IL Pa LB Bsa AF Slg Pnj Pag Adr KG Uk 05 06 08 13 14 21 23 38 42 44 46 50 56 58 65 76 05A 06K 06Kb 06R 06Rk 13A 13Ab 13Ax 13F 13F6 14B 14Bb 21L 21Lc 38H 38Hc 44E 44Eh 50G 56F 56F1 56Fb 58G 65D 65Dt 65Du 65N 65Np1 65Nr4 65Nm 76C

**491) Dolicharthria bruguieralis (Duponchel,1833)** (Pyralidae) Synonym(s): *bruguieralis* Duponchel,1833; *coniotalis* Hampson,1903; *pseudobotys* Rothschild,1913; *similalis* Rothschild,1915; *bahrutalis* Amsel,1935; *mauretanica* D.Lucas,1949 Original Reference: Botys bruguieralis Duponchel,1833, [in] Godart, Hist. Nat. Lépid. Pap. Fr. 15: 320, Tab. 232 fig.3. Syntypes: Nismes [sic!], Corsica. Range (in code): DZ Rhr Clo Ah Omy Onç PT ES FR Co Sa Si IT MT RO YU AL BG GR Cr TR CY LB Bsa Bmm IL Pa Hf IQ Rrwz Brs Ry Shq IR Fa Shr Sse Bu AF Pnj Kab Pli Gbh Srb Khi Adr Fz ZA 01 05 06 07 13 16 21 31 32 33 44 46 65 70 73 05A 07B 13F 16A 21N 21Nh 31K 31Ka 31Ka5 31M 33A 33Ad 44E 44Eh 44I 44Ic 44L 44Lc 65D 65Dlc 65Dh 65Du 65Dv 70C 70Ce 73A 73Aç2 73D 73Db

**492) Ecpyrrhorhoe diffusalis (Guenée,1854)** (Pyralidae) Synonym(s): *carnealis* Dup.,1831 *nec* Treit.1829; *diffusalis* Guenée,1854; *affusalis* Guenée,1854; *tenuialis* Mann,1862. Original Reference: Botys diffusalis Guenée,1854, [in] Boisduval & Guenée, Hist. nat. Insectes (Spec. gén. Lépid.) 8: 340. Syntypes 2♂ 3♀: "Espagne, France mer., env. Nimes et de Montpellier" (coll. Guenée & Lefebvre). Range (in code): TN ES FR IT CH HU RO YU HV AL BG GR IL Pa Hf TR IR Fa Shr Com Ss Th Kdj Ha Mz LB Bsa AF Pic Kab Srb Bsg Pag PK Cp AE Cc GG Tbl Bjo AZ Kir Nv Ord AE 01 05 06 13 16 21 31 38 42 44 46 47 56 60 65 71 73 05A 06R 13A 13Ab 13Ax 13F 13F6 16A 21L 21Lc 31K 31Ka 31Ka3 31M 44I 44Ic 44L 44Lc 46G 46Gf 56F 56F1 65D 65Dg 65Dv 65Dt 65Ds 65F 65Fç 65Fp 65Fz 65N 65Np6 65Nm 73A 73Ad 73Ad2

**493) Endotricha flammealis ([Denis & Schiffermüller],1775)** (Pyralidae) Synonym(s): *flammealis* [Denis & Schiffermüller],1775; *adustalis* Turati,1905; *lutealis* Turati,1905; *carnealis* De Lattin,1951 Original Reference: Pyralis flammealis [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 123. Type(s): [Austria]: Vienna district [Types presumably destroyed by fire in 1848]. Range (in code): DZ Clo TN PT ES FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR IQ IL Hf Pa CY LB Cc GG IR Fa Sse Com Shr Mz Th Kdj Gor Gh Tgo TM Kp



DK SE RU MD UA BY KG 01 05 06 07 08 10 12 13 16 30 31 33 34 42 44 46 48 56 58 60 65 71 80 05A 06R 06Rb 07B 07Bb 08H 08Hc 10K 10Ka 12E 12Eb 12Ec 12Ed 13G 13Gf 13F 16A 30D 30Dx 31K 31Ka 31Ka3 31M 42B 44I 44Ic 48D 56F 56Fa 56Ff 60G 65D 65Dv 65Dt 65Du 65Dv 65F 65Fg

**494) *Ephelis cruentalis* (Geyer,[1832])** (Pyralidae) Synonym(s): *cruentalis* Geyer,[1832]; *bourjotalis* Duponchel,1833; *badialis* Treitschke,1835 Original Reference: *Uresiphita cruentalis* Geyer,[1832], [in] Hübner, Zuträge Samml. exot. Schmett. 4: 29, pl.[124], figs. 721,722. Range (in code): FR Si IT YU BG GR Rd Cr TR LB Cc GG Tbl Mng Lag AM AZ IL Pa Hf EG IR Fa Sse Elb Th Kdj Nss Kdv Gor Kh IQ Ry Shq AF Adr Shv Kab KG Slu Syr 01 05 06 12 13 16 21 25 30 31 33 34 35 36 38 39 42 44 46 49 56 58 63 65 76 80 05A 06K 06Kb 06R 12E 12Ed 13F 13G 13Gü 13Gw 16A 21L 21Lf 30B 30Bc1 30Bx 30D 30Dx 31M 36D 36Db 42K 44L 44Lc 49D 49Db 56D 56Dc 56F 56Fb 56Fc 56Ff 58G 58R 58Rb 65D 65Dh 65Di 65Dlc 65Dt 65Du 65Dv 65F 65Fp 65Fz 65H 65Hb 65K 65Ké 65Kğ 65N 65Np2 65Nr2 65Nm 76C 80B 80Bc

**495) *Ephestia (Anagasta) welseriella* (Zeller,1848)** (Pyralidae) Synonym(s): *welseriella* Zeller,1848; *modestella* Lederer,1863; *tephrinella* Lederer,1870; *rhenanella* Fuchs,1877; *suffusella* Ragonot,1901; *immodestella* Rebel,1916; *superbella* Lucas,1954; *capricola* Hampson,1927. Original Reference: *Myelois welseriella* Zeller,1848, Isis 1848: 673. Type(s): Ragusa. Range (in code): LY Cy DZ MA TN Gf PT ES Mu FR Co Sa Si IT MT DE CH AT HU RO YU HV MK AL BG GR Cr TR IL Hf Pa LB Bsa Bei RU Cc GG AM AZ IR Mz Elb 05 06 13 16 42 45 46 65 71 05A 13F 16A 65D

**496) *Epiepischnia pseudolydella* Amsel,1954** (Pyralidae) Synonym(s): *pseudolydella* Amsel,1954 Original Reference: *Epiepischnia pseudolydella* Amsel,1954, Ark. Zool. 6 (16): 308-309, Pls., figs. Holotype ♂: Iran: [Fars]: Sine-Sefid. Range (in code): TR IQ Shq Hjo IR Fa Sse Elb Th Kdj 06 13 46 65 71 06R 13F 13F6 65D

**497) *Epischnia prodromella* (Hübner,[1799])** (Pyralidae) Synonym(s): *prodromella* Hübner,[1799]; *#prodromella* Rebel,1939 Original Reference: *Tinea prodromella* Hübner,[1799], Samml. eur. Schmett. 8, Tineae: Tab. 37 fig.254. Type(s): Europa. Range (in code): DZ Bsk Ges TN Gf PT ES FR Si IT BE NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc AM SY IR Shh Gor Mz Elb IL Pa Hf LB CY TM Kp KG Uk RU MD UA BY 01 05 06 08 13 16 21 31 32 34 42 44 46 58 65 05A 08H 08Ha 13F 16A 21L 21Lc 31M 44I 44Ic 65D 65N 65Nc 65Nc4 65Nr7 65Nm

**498) *Euchromius bellus* (Hübner,1796)** (Pyralidae) Synonym(s): *bella* Hübner,1796; *bellalis* Hübner,[1825]. Original Reference: *Tinea bella* Hübner,1796, Samml. eur. Schmett., Tineae: 29, Taf.9 f.60. Type(s): Ungarn. Range (in code): MA Ifr DZ Bsk ES An Mu FR Sa Si IT SK HU RO YU BG GR Cr TR RU Cc MD UA BY IQ Rwz Dia Brs Ama IR IL Pa JO Amm LB Bei EG PK Bl Chm 01 05 06 12 13 16 17 21 26 29 31 33 35 39 42 44 46 59 65 71 76 80 05A 12A 12Ab 13F 16A 31O 31M 65D 65Dv 76C

**499) *Euchromius keredjellus* (Amsel,1949)** (Pyralidae) Synonym(s): *keredjella* Amsel,1949 Original Reference: *Eremene keredjella* Amsel,1949, Bull. Soc. Fouad I Ent. 33: 233, Taf.1 fig.1. Holotype ♂: Iran: Elburs-Gebirge: Keredj. Range (in code): IR Elb Kdj Th Fa Shr TR Cc AF Hr 42 65 76 65D 65Dv 65Du

**500) *Euchromius ocelleus* (Haworth,[1811])** (Pyralidae) Synonym(s): *ocellea* Haworth,[1811]; *cyrilli* Costa,1832; *fumiculella* Treitschke,1832; *texana* Robinson,1870; *gigantea* Turati,1924; *quadrii* Ahmad, Zaidi & Kamaluddin,1982 Original Reference: *Palparia ocellea* Haworth,[1811], Lep. Br.:486. Type ♂: England. Range (in code): Md Cn MA DZ TN LY Cy PT ES FR Co Sa Si IT GB BE NL DE CH AT PL CZ SK HU RO YU BG GR Rd Cr TR Cc DK NO SE FI EE LV LT RU MD UA BY KG Uk Tk Dj Ii EG IL LB TM Kp YE Ad Sk IQ Kbl Bgd Amr IR Ahz Plr CY AF Hr IN Mh Poo PK Cp Pj Krc Sd Mhw AU US Tx UZ Br ET AE SO KE MT TZ CF UG MW SC MG MZ ZW Bul Har Nta Kzu Ec Ans Fs Blo Wca Cto Dbn Grh Lds Tva Lpo Pie Gau Pre Wnn Wr Ste Cer Grg BW NA AO GO NG NE BF GH SN FP Pag Gh Tgo Ss Irs Sde Kz Mz GlS Kh Pa Hf Onç Bsk Gf Ajj Ah 01 05 07 13 16 31 32 34 42 48 56 65 71 76 05A 13F 16A 31M 56F 65D 65Dv 65N 65Nc 65Nc4

**501) *Euchromius pulverosus* (Christoph,1887)** (Pyralidae) Synonym(s): *pulverosa* Christoph,1887; *cochlearella* Amsel,1949 Original Reference: *Eromene pulverosa* Christoph,1887, [in] Romanoff,Mem. Lepid. 3: 47, Taf.2 f.14. Lectotype ♀: [Aserbaidjan]: Ordubad. Range (in code): Cc Nv Ord AZ TR IQ Ry IR Elb Kdv Kdj Th SY IL Pa Js LB Bsa Bei 01 06 08 13 21 23 36 42 44 46 51 56 65 06R 13F 21N 21Nb 36D 51D 51Db 56F 56Ff 65D 65Dv 65Dt 65Du

**502) *Euchromius superbells* (Zeller,1849)** (Pyralidae) Synonym(s): *superbellus* Zeller,1849; *wockeella* Zeller,1863; *cypriusella* Amsel,1958. Original Reference: *Crambus superbells* Zeller,1849, Stettin ent. Ztg. 10:314. Holotype ♂: Italien: Toscana. Range (in code): ES FR Co Sa Si IT AT? HU RO YU AL BG GR Cr RU MD UA BY TR Cc IL CY KG Uk UZ Br IR Elb Kdv Srd PK Pj 06 07 09 13 16 31 39 42 46 65 68 71 76 13F 16A 31M 65D 65Dv 65Du

**503) *Euchromius vinculellus* (Zeller,1847)** (Pyralidae) Synonym(s): *vinculellus* Zeller,1847; *corsicalis* Hampson,1919; *joiceyella* Schmidt,1934; *bahrlutella* Amsel,1949. Original Reference: *Crambus vinculellus* Zeller,1847, Isis 1847: 760. Lectotype ♂: Italien: Sizilien. Range (in code): MA DZ Ah Hmk Ktr Sbd Abe Tmn TN DhM LY SD EG PT ES Co Sa Si IT TR GR IL Pa Hf LB IR Ahw IQ AF Srb AE KE NE Air 01 07 33 44 59 65 65D 65Dv 65Du

- 504) Euzophera (s.str.) flagella (Lederer,1869)** (Pyralidae) Synonym(s): *flagella* Lederer,1869 Original Reference: Myelois flagella Lederer,1869, Horae Soc. ent. ross. 6: 91, Taf.5 fig.12. Type ♂: [Iran]: Astrabad [Gorgan], leg. Haberhauer (ZMB). Range (in code): **IR Ha Shh Gor Srd TR IL Pa 13 21 46 65 13F 65D 65Dv**
- 505) Euzophera (s.str.) umbrosella (Staudinger,1879)** (Pyralidae) Synonym(s): *umbrosella* Staudinger,1879; *albogilvella* Ragonot,1887; *depauperatella* Ragonot,1901. Original Reference: Myelois umbrosella Staudinger,1879, Horae Soc. ent. ross. 15: 215-216. Syntypes 3♀♀: Cyprus (ZMB). Range (in code): **GR Cr CY TR IL Hf Js Pa Cc AZ Nv Ord LB Bei 23 46 58 65 46G 46Gf 65D 65Du**
- 506) Euzopherodes lutisignella (Mann,1869)** (Pyralidae) Synonym(s): *lutisignella* Mann,1869; *leonhardi* Rebel,1910; *scipionella* Turati,1924; *battella* Turati,1924. Original Reference: Myelois lutisignella Mann,1869, Verh. zool.- bot. Ges. 19: 381. Type ♂: Dalmatien: Ragusa. Range (in code): **Si RO RU YU B-H HV AL BG MK GR Cr LY Cy TR IL Hf Jer Pa LB Bei JO IQ Rvw IR Elb Th KJ Fa AF Pag Kbb Slg Cc AM UZ Smk TM Kp 13 21 23 31 35 38 42 44 46 56 65 13F 31M 42B 42J 56F 56Fg 65D 65Dt**
- 507) Evergestis frumentalis (Linnaeus,1761)** (Pyralidae) Synonym(s): *frumentalis* Linnaeus,1761; *espanalis* Schawerda,1926 Original Reference: Phalaena frumentalis Linnaeus,1761, Fauna suecica (2): 351, no.1351. Type(s): Sweden. Range (in code): **PT ES FR Co Sa IT DE AT PL CZ SK HU RO YU AL BG GR TR Cc AM GG Lag Tbl AZ Kir Len DK SE FI EE LV RU MD UA BY IR TM Kp KG Uk Tk Dj Ii CN Ui Ku Kml 05 06 08 13 16 17 32 36 38 42 65 71 76 05A 06N 06Nc 06R 06Rd 06Rh 13G 13Gw 13Gs 16A 36D 36Db 65D 65Df 65Dh 65Dx 65Dl 65Dlc 65E 65Eb 65Ec 65M 65Mc 65Md 76A 76Ac 76Ae 76B 76Bf 76Bh**
- 508) Evergestis infirmalis (Staudinger,1870)** (Pyralidae) Synonym(s): *infirmalis* Staudinger,1870; *helenalis* Staudinger,1870 Original Reference: Botys infirmalis Staudinger,1870, Horae Soc. ent. ross. 7: 190, Tab.2 fig. 13. Type ♂: Griechenland. Range (in code): **GR TR IR Elb Kdv Shh CN Ui Kml Au 05 13 46 65 05A 13F 46G 46Gi 65D 65Dt 65Du 65Dh**
- 509) Glaucobaris euchromiella (Ragonot,1895)** (Pyralidae) Synonym(s): *euchromiella* Ragonot,1895; *sinualis* Hampson,1900; *rebeli* Osthelder,1941. Original Reference: Diptychophora euchromiella Ragonot,1895, Bull. Soc. ent. Fr. 1895: xcix. Holotype ♂: [Turquie]: Akbes (MNHNP). Range (in code): **GR Cr TR Cc AM IR Th Elb 13 31 33 46 56 65 76 13F 31M 56F 65D 65Dv 65Du 65K 65Kb 65L 76D 76Dd**
- 510) Homoeosoma (s.str.) sinuella (Fabricius,1794)** (Pyralidae) Synonym(s): *sinuella* Fabricius,1794; *sinuatus* Fabricius,1794; *elongella* Hübner,[1813]; *gemina* Haworth,1811; *flavella* Duponchel,1836; *gioferella* Turati,1934. Original Reference: Tinea sinuella Fabricius,1794, Ent. Syst. 3(2): 308, nr.94. Type(s): Italia (Museum Kiel). Range (in code): **TN DZ MA PT ES Cue Mu An Snv FR Co Sa IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU B-H HV MK AL BG GR Cr TR DK SE FI EE LV LT RU MD UA BY CY LB KG KK Al IR Elb Th Kdj Clu Shh Gls TM Kp Cc AM Eri AF Hr Pli Blh 01 05 06 07 13 16 21 31 39 44 46 58 65 70 71 75 76 05A 13F 16A 21L 21Lc 31M 65D 65Dl 65Dlc 75F 75Fe 76C**
- 511) Hyperlais dulcinalis (Treitschke,1835)** (Pyralidae) Synonym(s): *dulcinalis* Treitschke,1835 Original Reference: Pyrausta dulcinalis Treitschke,1835, Schmett. Eur. 10 (3): 35-36. Type(s): "Ungarn". Range (in code): **IT HU RO YU BG GR TR IR Ha Avd Kh Elb Kdj Sse LB Bsa Cc GG AZ Bjo Kir Tbl Nv Ord 05 06 13 46 65 70 71 76 05A 06R 13F 65D 65Dg 65L 65Lb 65N 65Np 65Np1 65Np2 65Nm 76C**
- 512) Hypochalcia ahenella ([Denis & Schiffermüller],1775)** (Pyralidae) Synonym(s): *ahenella* [Denis & Schiffermüller],1775; *aeneella* Hübner,1796; *obscuratus* Haworth,1809; *tetrix* Haworth,1811; *ahenalis* Hübner,[1825]; *rubiginella* Treitschke,1833; *bistrigella* Duponchel,1836; *fuliginella* Duponchel,1836; *luridella* Schläger,1845; *ghilianii* Staudinger,1870; *fasciatella* Staudinger,1881; *hulstiella* Ragonot,1887; *griseoanella* Ragonot,1887; *caucasica* Ragonot,1893; *lugubrella* M.Hering,1924; *robustella* Toll,1938 Original Reference: Tinea ahenella [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 135. Type(s): [Austria]: Vienna district [Types presumably destroyed by fire in 1848]. Range (in code): **PT ES FR IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR DK NO SE FI EE LV LT RU MD UA BY TR Cc AM IR Shh US Tx 05 06 13 16 65 76 05A 13F 16A 65D 65Du 65Dt 65F 65Fg 76C**
- 513) Hypsopygia costalis (Fabricius,1775)** (Pyralidae) Synonym(s): *costalis* Fabricius,1775; *fimbrialis* [Denis & Schiffermüller],1775; *purpurana* Thunberg,1784; *hyllalis* Walker,1859; *rubrocilialis* Staudinger,1870; *#lugens* Rebel,1903; *syriaca* Zerny,1914; *lugens* Caradja,1917. Original Reference: Phalaena costalis Fabricius,1775, Syst. Ent.: 644, nr.132. Type(s): Anglia. Range (in code): **DZ Orn PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR CY TR Cc DK NO SE FI EE LV LT RU MD UA BY IR Ab Sro Th Elb Mz Gls IL Hf Pa EG TM Kp UZ Fe PK IQ Shq Dia KG Tk Tks Nrk CN Ui 01 06 09 13 16 30 31 33 36 38 39 46 56 65 73 75 76 09K 09Ka 13A 13Aa 13B 13Ba 13F 16A 30D 30Dx 31M 33A 33Ac 36D 36Db 65D 65Dh 65Du 65Dv 65L 65Lb 73A 73Ad 73Ad2 75F 75Fb**



- 514) Hypsotropa limbella Zeller,1848** (Pyralidae) Synonym(s): *limbella* Zeller,1848 Original Reference: *Hypsotropa limbella* Zeller,1848, Isis 1848: 591. Type: Europa. Range (in code): **FR IT YU AL BG GR Cr TR Cc 05 13 16 65 76 05A 13F 16A 65D 65Dt 65Dv 76C**
- 515) Isauria dilucidella (Duponchel,1836)** (Pyralidae) Synonym(s): *dilucidella* Duponchel,1836; *ilignella* Zeller,1839; *laternella* Eversmann,1844; *crepusculella* Lederer,1870; *incredibilis* Staudinger,1879; *subsortella* Ragonot,1887; *satanella* Ragonot,1887; *odontella* Ragonot,1893; *ledereri* Ragonot,1893; *cuencella* Caradja,1916; *gabalitella* Chrétien,1931; *griseus* Lucas,1950; *parvella* Amsel,1951; *shahidanella* Amsel,1970 Original Reference: *Phycis dilucidella* Duponchel,1836, Hist. nat. Lépid. Papillons Fr. 10: 184, Pl.278 fig.7. Type ♂: France. Range (in code): **DZ Bsk ES Cue FR Sa Si IT DE CH AT PL CZ SK HU RO YU BG GR TR RU Ur MD UA BY IQ Hjo LB Bsa IL Pa TM Kp IR Fa Th Shh Plr Mz Elb Dam AF KG MN Cc AM GG Smt Akh AE 05 06 10 13 16 25 31 32 38 42 46 47 50 53 58 65 71 05A 10K 10Ka 13A 13Ab 13Ax 13F 13F20 13F35 13F38 13F40 16A 31K 31Ka 31Ka7 65D 65Du**
- 516) Keradere lepidella (Ragonot,1887)** (Pyralidae) Synonym(s): *lepidella* Ragonot,1887 Original Reference: *Salebria lepidella* Ragonot,1887, Annls Soc. ent. Fr. 1887: 232. Type(s): [Turquie]: Asie Mineure: Marasch. Range (in code): **YU GR TR Cc CY AM AZ Nv Ord GG LB Bsa IQ Hjo IR Ahz Kh Fa Sse Kdj 09 13 21 46 47 65 71 13F 13F35 21L 21Lc 65D**
- 517) Lambaesia straminella (Zerny,1914)** (Pyralidae) Synonym(s): *straminella* Zerny,1914; *aliphitopis* Meyrick,1937. Original Reference: *Adelosemia* ? *straminella* Zerny,1914, Annln naturh. Mus. Wien 28: 316. Type ♂: [Türkei]: Zeitun [Süleymanli] (NHMW). Range (in code): **TR SY IQ Ry Hjo IR 13 31 42 46 65 13F 13F6 46L 65D 65Dt 65Dv**
- 518) Loxostege peltaloides (Rebel,1932)** (Pyralidae) Synonym(s): *peltaloides* Rebel,1932; *halil* Koçak & Kemal,2007 Original Reference: *Eurycreon peltaloides* Rebel,1932, Int. ent. Z. 26: 187-189, fig. Type ♂: [Türkei]: Akschehir. Range (in code): **TR 42 46 58 65 42B 65D 65Dh**
- 519) Loxostege sp.** Material studied: 1♂. Turkey Van Prov., Çatak Darboğaz 2050m (65Dg), 8 6 2015 M. Kemal & A.Koçak leg. (Cesa) (**Fig. 67**).



**Fig. 67** – *Loxostege* sp., at rest. Turkey, Van Prov., Çatak Darboğaz, M Kemal & A.Koçak (Cesa)

- 520) Mecyna subsequalis (Herrich-Schäffer,1851)** (Pyralidae) Synonym(s): *subsequalis* Herrich-Schäffer,1851; *consequens* Meyrick,1932 [nom.n.] Original Reference: *Botys subsequalis* Herrich-Schäffer,1851, Syst. Bearb. Schmett. Eur. 6: 141, pl.19 fig.133. Type: Armenia. Range (in code): **BG GR Cr TR Cc GG Bjo AZ Nv Ord IR Elb Kdv Mz Dam Gor 01 05 06 13 30 31 33 42 44 46 56 58 65 76 05A 06R 13F 13Fo1 13F35 13F38 13G 13Gü 13Gw 30B 30Bc1 30Bx 31K 31Ka 31Ka3 44E 44Eh 56F 56Fs 56Fs1 65B 65Bo 65Bx 65D 65Dh 65Dv 65Dt 65F 65Fz 65Fp 76C 76D 76Dd**
- 521) Mecyna trinalis ([Denis & Schiffermüller],1775)** (Pyralidae) Synonym(s): *trinalis* [Denis & Schiffermüller],1775; *andalusica* Staudinger,1879; *tripunctalis* Oberthür,1887; *anienalis* Hartig,1941; *joannissalis* Marion,1955; *maroccanensis* Amsel,1956 Original Reference: *Pyralis trinalis* [Denis &



Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Gegend: 317. Type(s): [Austria]: Vienna district. Range (in code): MA Rf DZ Lbs Anna Agi ES Mu FR Si IT AT CZ SK HU RO YU AL BG GR TR Cc IQ Hjo Mos IR Elb Kdv Plr Mz Gor Ha Adv UA Cc GG Bjo MN 05 06 08 13 23 29 30 44 46 56 61 65 73 76 05A 06R 06Rb 08H 08Hc 13F 13F6 30B 30Bc1 30Bx 44L 44Lc 56F 56Fs 56Fs1 65B 65Bo 65Bx 65D 65Dh 65Dt 65K 65Kd 65Ké 65Kğ 65N 65Np2 65Nm 73A 73Ad 73Ad1 76C 76D 76Dd

**522) *Megasia (s.str.) kocaki* Akin,2016** (Pyralidae) Synonym(s): *kocaki* Akin,2016 Original Reference: *Megasia kocaki* Akin,2016, Zool. Middle East 62 (1): 1-3. Holotype ♂: Turkey, Bitlis Prov., Mutki district, Yeniköy 1650m, 18 v 2012, leg. & coll. K.Akin. **TR 13 65 13F 13G 13Gs 13Gw 65D 65Dg 65Dga 65N 65Np 65Nm**

**523) *Mesocrambus candidellus* (Herrich-Schäffer,[1848])** (Pyralidae) Synonym(s): *candidellus* Herrich-Schäffer,[1848]; #*candiellus* Bleszynski,1965. Original Reference: *Crambus candidellus* Herrich-Schäffer,[1848], Syst. Bearb. Schmett. Eur. 4: 56; [1850], ibid. 5: Taf.26 fig.181. Type ♀: Kreta. Range (in code): DZ Clo PT ES Si IT HU RO YU AL BG GR Cr TR RU Sr KG Uk SY 13 31 34 42 46 65 13F 31M 65D 65Dv 65Du

**524) *Metacrambus carectellus* (Zeller,1847)** (Pyralidae) Synonym(s): *carectellus* Zeller,1847; *lugdunellus* Millière,1868; *truncatellus* Caradja,1916. Original Reference: *Crambus carectellus* Zeller,1847, Isis 1847: 751. Lectotype ♂: Sizilien (Bleszynski,1965: 331). Range (in code): DZ Anna PT ES FR Co Sa Si IT MT SK HU RO YU AL BG GR Cr RU Sr Cm TR LB Bei IL Pa Hf SY IR Gh Tgo UZ Br Cc AZ Len KG Tk Dj 01 03 13 31 33 42 44 46 65 71 80 13F 31D 44E 44Ee 65B 65Bo 65Bx 65D 65Dv 65K 65Kb 65L 65N 65Np 65Nm

**525) *Metallosticha argyrogrammos* (Zeller,1847)** (Pyralidae) Synonym(s): *argyrogrammos* Zeller,1847 Original Reference: *Myelois argyrogrammos* Zeller,1847, Isis 1847: 29-30. Type ♂: [Turkey]: Makri [=Fethiye]. Range (in code): Si IT RO HV MK Och BG GR TR LB Bsa Bei SY Dms IL Hf Pa IR Fa Shr 05 06 13 16 21 31 38 42 45 46 48 56 65 70 05A 06R 13A 13Ab 13Ax 16A 21L 21Lc 31M 56Fb 65D 65Du 65Dh

**526) *Myelois (Gnathogutta) circumdatella* Lederer,1858** (Pyralidae) Synonym(s): *circumdatella* Lederer,1858; *ottoella* Schawerda,1924; *quinquepunctella* Turati,1934; *cinnerethella* Amsel,1935 Original Reference: *Myelois circumdatella* Lederer,1858, Wien. ent. Monatschr. 2: 149, Taf.4 fig.5. Syntypes 3♂: Syrien: Damask. Range (in code): LY Cy TR SY Dms IL Pa Hf Js LB IQ Shq Hjo Mos IR Fa Sse Shr Th Elb Kdj 01 13 21 31 46 49 65 13F 31M 49F 49Fb 49Ff 65D 65Du 65Dh 65N 65Nr7 65Np1 65Nm

**527) *Myelois (Gnathogutta) pumicosa* Lederer,1855** (Pyralidae) Synonym(s): *pumicosa* Lederer,1855 Original Reference: *Myelois pumicosa* Lederer,1855, Verh. zool.- bot. Ges. Wien 5: 252-253. Syntypes 2♂: [Türkei]: "Diarbekir". Range (in code): TR LB IQ Hjo Dy 13 21 46 56 65 13F 21F 56F 56Fb 56Fs 56Fs1 65D 65Ds 65F 65Fg –

Female of this species hasnot been described sofar. Therefore, the described and illustrated female specimen is labelled here as allotype.

Brief description of Allotype (♀) (**Fig. 68**): Forewing: 20mm, wing span: 42mm. Wing colouration and markings on forewing are similar to those of male. Hindwing ground colour darker than that of male. Discoidal marking darker, elongate. Ciliae whitish. Female genitalia: Papillae analis well developed, membraneous. Apophyse posterior, very thin, straight, parallel to each other. Apophyse anterior thicker, slightly curved, not parallel. Ductus bursae and copulatrix membraneous. Signum well chitinized, large, just like two-lobed with with numerous vertical spines (**Fig. 69**).

Material studied: 1♀. Turkey, Van Prov., Çatak Narlı, Konalga *Quercus* woodland 1800m, 26 5 2001, light trap, M.Kemal & A.Koçak leg. (Cesa)



**Fig. 68** – *Myelois pumicosa*, female (Allotype). For the genitalia, see below. Turkey, Van Prov., Çatak Narlı, M.Kemal & A.Koçak leg. (Cesa)



**Fig. 69–** *Myelois pumicosa*, female genitalia (GP2237), Turkey, Van Prov., Çatak Narlı, prep. M.Kemal (Cesa)

- 528) *Myelois* (s.str.) *circumvoluta* (Fourcroy,1785)** (Pyralidae) Synonym(s): *circumvoluta* Fourcroy,1785; *circumvolutella* Villers,1789; *cribrella* Hübner,1796; *carhdui* Haworth,1811; *medullalis* Hübner,[1825]; *pallium* Vallot,1829; *gilvescentella* Fuchs,1903; *britannicella* Amsel,1951; *impunctata* Hartig,1952; *nigrapeza* Hartig,1952 Original Reference: *Tinea circumvoluta* Fourcroy,1785, Ent. Paris: 326. Type(s): Paris. Range (in code): **DZ Ges Lbs PT ES FR Co Sa Si IT GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR TR DK SE FI EE LV LT RU MD UA BY IR Mz 01 06 13 17 21 31 33 36 49 65 71 73 80 06R 06Rd 13F 21L 21Lc 31M 36D 36Db 49F 49Fb 65D 65Dh 65Ds 65Dv 65Du 65K 65Kd 65Kg 65N 65Np1 65Nm 73D 73Df**
- 529) *Myrllaea albistrigata* (Staudinger,1881)** (Pyralidae) Synonym(s): *albistrigata* Staudinger,1881 Original Reference: *Pempelia albistrigata* Staudinger,1881, Horae Soc. ent. ross. 16: 86. Syntypes 2♂♂: [Türkei]: Amasia. Range (in code): **TR Cc LB Bsa IR Elb Mz Kdv Plr Shh IQ Ry Hjo AF Pag 05 06 13 30 42 46 47 56 65 71 76 05A 13A 13Ab 13Ax 13F 13F6 30B 30Bc1 30Bx 42B 56F 56F1 56Fs 56Fs1 65B 65Bo 65Bx 65D 65Dh 65Dt 65F 65Fp 65Fz 65N 65Np2 65Nm 76C**
- 530) *Nephopterix melanotaeniella* Ragonot,1888** (Pyralidae) Synonym(s): *melanotaeniella* Ragonot,1888; *amasiella* Caradja,1910. Original Reference: *Nephopterix melanotaeniella* Ragonot,1888, Nouv. Genr. esp. Phycit. & Galler.: 15. Type: [Türkei]: Mardin. Range (in code): **TR 05 46 47 65 05A 65D 65Du 65Dv**
- 531) *Nephopterix minimella* Amsel,1954** (Pyralidae) Synonym(s): *minimella* Amsel,1954 Original Reference: *Nephopterix minimella* Amsel,1954, Ark. zool. 6 (16): 290, figs. 107, 108, 229-232. Holotype ♂: Iran: Kuh-i Taftan. Range (in code): **IR Fa TR 13 65 13F 65D 65Dt 65Dv**
- 532) *Nomophila noctuella* ([Denis & Schiffermüller],1775)** (Pyralidae) Synonym(s): *noctuella* [Denis & Schiffermüller],1775; *hybridalis* Hübner,1796; *indistinctalis* Walker,1859 Original Reference: *Tinea noctuella* [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 136. Type(s): [Austria]: Vienna district [Types presumably destroyed by fire in 1848]. Range (in code): **MA DZ TN Sfx Elk PT ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR IQ Bgd Dia Shq Amr Kro Bji IR Ahz Ab Elb Dam Plr Mz Enz LB Bsa Bei SY IL Pa Hf AF Hr Bmu Anj Gz Jla Kot PK Mre DK NO SE FI EE LV LT RU MD UA BY PH TW AE Cp Haz Abb C P Cte ID IN ZA Sro Qba Gea Bsk Onç Ceg Heh Ogl Gle Omy Gtt Ah Ajj Ges Rhr 01 05 06 08 11 13 14 16 17**



21 30 31 32 33 34 35 37 38 39 44 46 48 49 55 56 58 60 63 65 71 73 76 80 05A 06R 08H 08Ha 13A 13Aa 13Ab 13Ax 13B 13Ba 13F 13F6 13G 13Gö 13Gg 13Gw 13Gü 13Gs 16A 21N 21Nb 21Nc 30B 30Bc1 30Bx 30Br 31A 31H 31M 33A 33Ad 44L 44Lc 48L 49F 49Fb 49Ff 55F 56D 56Dc 56F 56Fo 58G 60G 63D 65D 65Da 65Dd 65Dda 65Dh 65Dg 65Dl 65Dlc 65Dr 65Dt 65Du 65Dv 65E 65Eb 65Ec 65Eç 65Ed 65F 65Fb 65Fc 65Fd 65Fp 65Fw 65Fz 65G 65Gf 65Gn 65K 65Kb 65Kç 65N 65Nc 65Nc4 65Kl 65Ku 65Ky 65Ky1 65L 65Lb 65M 65Mc 65Md 65N 65Nk 65Np 65Np1 65Np2 65Nm 73A 73Aç 73Aç2 73D 73Db 73Df 73Dfb 73Dfc 76B 76Bç 80B 80Bc 80E 80Ea

**533) *Oncocera semirubella* (Scopoli,1763)** (Pyrilidae) Synonym(s): *semirubella* Scopoli,1763; *rosella* Goeze,1783 nec Sc.,1763; *purpurella* Thunberg,1788; *sanguinella* Hübner,1796; *sanguinea* Haworth,1811; *nigrella* Caradja,1916 Original Reference: Phalaena semirubella Scopoli,1763, Ent. Carn.: 245. Type(s): [Slovenien]: Carniolia [Krain]. Range (in code): **DZ Cst PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR Cr CY LB IL Pa Hf TR Cc IQ Amr Shq AF Hr CN JP DK NO SE FI EE LV LT RU Am MD UA BY KP KR TW IR Enz Mz Kh CN Ui Tek Kty 01 05 06 07 08 09 13 14 16 17 26 31 33 36 46 48 56 65 71 75 76 80 81 05A 06R 06Rd 07B 07Bb 08H 08Ha 13F 16A 31A 31G 31O 31M 36D 36Db 48L 56F 65D 65Dv 65F 65Fç 65Fz 75F 75Fb 75Fd**

**534) *Paracorsia repandalis* ([Denis & Schiffermüller],1775)** (Pyrilidae) Synonym(s): *repandalis* [Denis & Schiffermüller],1775 Original Reference: *Pyalis repandalis* [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 120. Type(s): [Austria]: Vienna district [Types presumably destroyed by fire in 1848]. Range (in code): **PT ES FR Co Sa IT MT GB BE LU DE CH AT PL CZ SK HU RO YU BG GR Cr TR Cc AZ Nv Ord IR Th Kh Fa TM Kp RU MD UA BY AF Kot Srb Bsg Pag Bm 05 06 13 16 31 38 42 44 45 46 65 70 76 05A 06R 13A 13Ab 13Ax 13F 16A 31K 31Ka 31Ka3 31Ka5 44I 44Lc 44L 44Lc 65D 65Dh 65Dg 65Dt 65F 65Fp 65Fz 65N 65Np2 65Nm 70C 70Ce 76C (Fig. 70)**



**Fig. 70** – *Paracorsia repandalis*. Turkey, Van Prov., Çatak Darboğaz 2000m, 6 6 2004, M. Kemal & A. Koçak (Cesa)

**535) *Paratalanta hyalinalis* (Hübner,1796)** (Pyrilidae) Synonym(s): *hyalinalis* Hübner,1796 Original Reference: *Pyalis hyalinalis* Hübner,1796, Samml. eur. Schmett. 6, Pyralides: Tab.11 fig.74. Type(s): Europa. Range (in code): **DZ Clo ES FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU MD UA BY 05 13 16 58 65 05A 13F 16A 65D 65Du**

**536) *Pempelia alpigenella* (Duponchel,1836)** (Pyrilidae) Synonym(s): *alpigenella* Duponchel,1836; *albariella* Zeller,1839; *wagnerella* Freyer,1845; *dilucida* Staudinger,1879; *persica* Osthelder,1938; *ardekanella* Amsel,1951 Original Reference: *Phycis alpigenella* Duponchel,1836, Hist. nat. Lépid. Papillons Fr. 10: 208, pl.280, fig.7. Syntypes: "Alpe". Range (in code): **ES FR IT HV IT Si SK Cm RO YU AL BG GR TR Cc HU RU Sr MD UA BY IR Fa Com Sse Kdj Elb Mz Kdv 05 06 25 42 44 46 65 70 76 05A 06K 06Kb 25N 25Na 44L 44Lc 65D 65Dt 65Du 65F1 65Fz 70C 70Ce**

**537) *Pempelia johannella* (Caradja,1916)** (Pyrilidae) Synonym(s): *johannella* Caradja,1916 Original Reference: *Nephopteryx johannella* Caradja,1916, Dt. ent. Z., Iris 30: 13. Type ♂: [Türkei]: Hadjin. Range (in code): **RO GR TR 01 09 65 01K 09K 65D 65Dlc**

**538) *Phlyctaenomorpha sinuosalis* (Le Cerf,[1910])** (Pyrilidae) Synonym(s): *sinuosalis* le Cerf,[1910]; *platyphaea* Meyrick,1937. Original Reference: *Phlyctoenodes* [sic!] *sinuosalis* le Cerf,[1910], Bull. Mus. natn. Hist. nat. Paris 3 (8) (1909): 536. Type ♂: [Iran]: Perse: Ab-e-bid. Range (in code): **IQ Ama Dk Hjo Ry IR Fa Com Sse TR 07 30 56 65 73 30B 30Bc1 30Bd 30Bx 30C 30Cd 30D 30Dp 30Dx 56F 56F1 56Fm 56Fs 56Fs1 65D 65Dd 65Dh 65Du 65Dv 65Dt 65F 65Fp 65Fz 73A 73Ad 73Ad2 73D 73Df**

**539) *Phycita strigata* (Staudinger,1879)** (Pyrilidae) Synonym(s): *strigata* Staudinger,1879 Original Reference: *Nephopteryx strigata* Staudinger,1879, Horae Soc. ent. ross. 15: 190-191.

Syntypes 1♂ 6♀: [Türkei]: Amasia: Kerasdere. Range (in code): ES TR IR Elb Mz Kdv Kh 01 05 27 46 47 65 05A 65D 65Dt 65Du 65Dv

- 540) *Phycitodes albatella* (Ragonot,1887)** (Pyralidae) Synonym(s): *albatella* Ragonot,1887; *parvum* Gerasimov,1930; *pseudonimbella* Benthick,1937 Original Reference: *Homoeosoma albatella* Ragonot,1887, *Annls Soc. ent. Fr.* 1887: 255. Syntypes: [Usbekistan]: Samarkand; [Turkmenistan]: Nuchur. Range (in code): LY Cy TN Gf DZ MA Cn Az PT ES Mu FR Co Sa Si IT BE NL LU DE CH AT PL CZ SK HU RO YU HV MK AL BG GR DK NO SE FI LV LT RU MD UA BY TM Kp UZ Smk Br LB Bei Bsa SY Dms IL Hf Jer Jf Jt Pa EG CY TR IQ Bsr IR Elb Th Kdj AF Kbb Slg Pli Hr Srb Kab Sen Ch Gg PK TJ KK NP Us CN She 01 03 06 13 16 21 38 42 44 46 65 70 71 06R 13F 16A 65D 65Dv 65Du 65Dt 70A 70Ac
- 541) *Phycitodes nigrilimbella* (Ragonot,1887)** (Pyralidae) Synonym(s): *nigrilimbella* Ragonot,1887 Original Reference: *Homoeosoma nigrilimbella* Ragonot,1887, *Annls Soc. ent. Fr.* 1887: 256. Type(s): [Turkey]: Marasch. Range (in code): TR IR Elb Th Fa Shr LB Bsa IL Hf IQ Hjo 06 16 13 31 42 46 50 65 71 13F 16A 65D 65Dv 65Du 65Dt
- 542) *Pima boisduvaliella* (Guenée,1845)** (Pyralidae) Synonym(s): *boisduvaliella* Guenée,1845; *farrella* J.Curtis,1850; *lafauryiella* Constant,1865 Original Reference: *Epischnia boisduvaliella* Guenée,1845, *Annls Soc. ent. Fr.* (2)3: 319. Type(s): Schweiz. Range (in code): DZ Ges PT ES FR IT GB BE NL DE CH PL HU RO TR Cc KK Ku Al CN Ui TM Kp DK NO SE FI EE LV LT RU MD UA BY 06 14 17 42 46 50 65 71 76 65D 65Du 65Dv 65Dh 65N 65Np1 65Nm 76C
- 543) *Plodia interpunctella* (Hübner,[1813])** (Pyralidae) Synonym(s): *interpunctella* Hübner,[1813]; *interpunctalis* Hübner,[1825]; *zeae* Fitch,1856; *castaneella* Reutti,1898; *latercula* Hampson,1901; *glycinivora* Matsumura,1917; *glycinivorella* Matsumura,1932. Original Reference: *Tinea interpunctella* Hübner,[1813], *Samml. eur. Schmett.* 8, *Tineae:* Tab.45 fig.310. Type(s): Europa. Range (in code): Cn MA DZ Bsk Anna LY Cy TN Gf PT ES B-I Md FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU HV B-H MK AL BG GR Cr TR EG DK NO SE FI EE LV LT RU Sb Ur Am KP KR MD UA BY LB IL Pa SD SA IQ IR Ab Oru TM AF PK KG Uk CN Ui Kgs Stg JP Hkk TW ZA AU 01 05 06 16 33 35 48 65 05A 16A 48L 65D 65Dh 65N 65Nc 65Nc4
- 544) *Polyocha strigosa* (Staudinger,1879)** (Pyralidae) Synonym(s): ? *transversariella* Zeller,1848; *strigosa* Staudinger,1879; *discella* Hampson,1901; *phoeniciella* Ragonot,1895; *granatella* Zerny,1927 Original Reference: *Anerastia strigosa* Staudinger,1879, *Horae Soc. ent. ross.* 15: 225-226. Syntypes 13 ♂♀: [Türkei]: Amasia: Kerasdere. Range (in code): MA DZ Ah TN PT ES An Grn IT Si RO YU GR RU MD UA BY TR Cc IL Pa Hf LB Bei JO IQ Shq Rwz Mos Dia IR Fa 01 05 13 16 21 25 31 33 42 46 47 65 71 76 80 05A 13A 13Ab 13Ax 13F 13F6 16A 31M 42B 47D 65D 65Dv 65Dt 65Du 65N 65Np2 65Nm 76C
- 545) *Psammotis pulveralis* (Hübner,1796)** (Pyralidae) Synonym(s): *pulveralis* Hübner,1796 Original Reference: *Pyralis pulveralis* Hübner,1796, *Samml. eur. Schmett.* 6, *Pyralides:* Tab.17 fig.109. Type(s): Europa. Range (in code): ES FR Co Sa IT GB NL LU DE CH AT PL CZ SK HU RO YU AL BG GR DK TR IQ Ry LB Bsa NO SE FI EE LV LT RU MD UA BY IR Elb Kdv Gor Shh Fa Sse Ha Yz Kh KG Tk Dj Ii AF Slg Shah Kot Adr Shv Pag 05 06 13 16 42 45 65 71 05A 06B 06R 13F 16A 65D 65Dd 65Dda 65N 65Np7 65Np8 65Nm
- 546) *Pterothrixidia rufella* (Duponchel,1836)** (Pyralidae) Synonym(s): *rufella* Duponchel,1836; *impurella* Duponchel,1836; *squalidella* Eversmann,1842; *contectella* Zeller,1848; *luridatella* Zeller,1848; *infuscatella* Herrich-Schäffer,1849; *tauricella* Wocke,1871; *caucasiella* Ragonot,1888; *corsicella* Ragonot,1893; *orientella* Ragonot,1893; *melanoptera* Rebel,1910; *fordi* Amsel,1954; *rava* Amsel,1954; *osmanella* Amsel,1954; *ancyrensis* Amsel,1954 Original Reference: *Phycis rufella* Duponchel,1836, *Hist. nat. Lépid. Papillons Fr.* 10: 170, pl.277 fig.6. Type(s): France, Corse. Range (in code): PT ES Mu FR Co Sa IT MT CH HU RO YU AL BG GR AM Eri Cc TR RU MD UA BY LB Bsa IR Elb Th Nss AF Pag Fa Sse Elb Th Kdj Kz Com 05 06 13 45 44 46 47 32 38 58 65 70 05A 06R 13A 13Ab 13Ac 13Af 13Ax 13F 13F6 44L 44Lc 47D 65D 65Dt 65N 65Np1 65Np2 65Nm 70A 70Ab
- 547) *Pyralis kacheticalis* (Christoph,1893)** (Pyralidae) Synonym(s): *kacheticalis* Christoph,1893; *imperialis* Caradja,1916 Original Reference: *Asopia kacheticalis* Christoph,1893, *Dt. ent. Z., Iris* 6: 96. Syntypes: "Eldar, Muganlı, Transcaucas.". Range (in code): Cc Da RU GG AZ AM UA Cm TR TM Kp IR Fa Sse Ss Th Elb Kdj IQ Brs Ssa 01 05 06 07 13 21 33 44 56 65 01H 07B 07Bb 13F 21N 21Nb 33A 33Ad 44I 44Ic 56F 56F1 56Fm 56Fö 65D 65Dl 65Dlc 65Du 65Dv
- 548) *Pyrasia gutturalis* (Staudinger,1879)** (Pyralidae) Synonym(s): *gutturalis* Staudinger,1879 Original Reference: *Botys gutturalis* Staudinger,1879, *Horae Soc. ent. ross.* 15: 175. Type ♂: [Türkei]: Magnesia (coll. Lederer). Range (in code): TR LB Bsa IQ Hjo IR Fa Shr Sse Com Elb Mz 01 07 13 21 31 45 46 47 56 65 07O 13F 21L 21Lc 21N 21Nb 31M 46G 46Gi 56F 56Fa 65D 65Dh 65Ds 65Du 65Dv 65N 65Np6 65Nm
- 549) *Pyrausta amatalis* Rebel,1903** (Pyralidae) Synonym(s): *amatalis* Rebel,1903 Original Reference: *Pyrausta amatalis* Rebel,1903, *Annln naturh. Mus. Wien* 18: 307, Taf.3 fig.12. Syntypes ♂♀: [Türkei]: Amasia; Bulgarien: Slivno. Range (in code): BG Slv SY TR Cc GG Akh 05 46



**65 05A 46G 65D 65Dè 65Dn 65Df 65F 65Fb** – Observational note: A diurnal species, its males sip mineral water from the mud, like butterflies (**Fig. 71**).



**Fig. 71** – *Pyrausta amatalis*, male. Turkey, Van Prov. Çatak, Saklıvadi 2025m (65Df), 4 6 2015, M Kemal & A Koçak (Cesa)

**550) Pyrausta castalis Treitschke,1829** (Pyrilidae) Synonym(s): *castalis Treitschke,1829*  
Original Reference: Pyrausta castalis Treitschke,1829, Schmett. Eur. 7: 165. Type(s): [Kroatien]: Dalmatien. Range (in code): **PT ES FR IT CZ HU RO YU AL BG GR RU MD UA BY TR IR Elb Th Fa AZ Cc Nv Ord AM Eri 05 06 13 16 25 30 37 42 44 65 70 71 73 76 05A 06R 13F 16A 25F 25Fa 44L 44Lc 65D 65Dg 65N 65Np2 65Nm 70C 70Ce 73A 73Aç 73Aç2 76C** (**Fig. 72**)



**Fig. 72** – *Pyrausta castalis*, at rest. Turkey, Van Prov., Çatak Darboğaz 2050m, 8 6 2015, M. Kemal (Cesa)



- 551) *Pyrausta despicata* (Scopoli,1763)** (Pyalidae) Synonym(s): *despicata* Scopoli,1763; *koenigiana* O.F.Müller,1764; *vestianella* Clerk,1764; *cespitis* [Denis & Schiffermüller],1775; *sordialis* Thunberg,1784; *intermedialis* Duponchel,1833; *tendinosalis* Bremer,1874; *yangtsealis* Caradja,1938; *ifranalis* Leraut,2001 Original Reference: Phalaena despicata Scopoli,1763, Entomologia Caniolica: 231. Type(s): [Slovenien]: Carniolia [Krain]. Range (in code): MA Ifr PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR IQ Rwz Amr DK NO SE FI EE LV LT RU Cc GG CY IR Ab Elb Shh Th Fa Shr Com Ha Plr Kdv Mz AF Hr Bmu Slg Pnj BdA Pic Kab Arh Srb Ca Gbh Adr Fz Khi Pag Pli UZ Fe CN Ui Ju Ku LB Bsa PK Abb Sro Mz Sb Yu Uk JO KG DZ Lbs 01 05 06 11 13 14 16 17 21 24 25 31 32 33 34 42 46 51 55 56 58 65 71 76 05A 06R 06Rd 13A 13Ab 13Ax 13B 13Bg 13G 13Gf 13F 13F6 13Gö 13Gg 13Gw 16A 21L 21Lf 31M 55F 56D 56Dd 56F 56F1 58G 58Gg 65D 65Dh 65Du 65Dw 65G 65Gn 65F 65Fç 65Fp 65Fz 65K 65Kb 65Ké 65Kl 65Ku 65Kg 65L 65Lb 65N 65Nk 65Np 65Np7 65Np8 65Nr2 65Nm 76C
- 552) *Pyrausta euergestalis* (Amsel,1954)** (Pyalidae) Synonym(s): *euergestalis* Amsel,1954; *#euergestalis* Wiltshire,1957. Original Reference: Trigonuncus euergestalis Amsel,1954, Ark. Zool. 6 (16): 313-314, figs. 184,277,278. Holotype ♂: Iran: Teheran. Range (in code): IR Fa Elb Kdj Th Ahz IQ Dy AF Hr Dwe TR 56 65 56F 65D
- 553) *Pyrausta obfuscata* (Scopoli,1763)** (Pyalidae) Synonym(s): *obfuscata* Scopoli,1763; *fuscatorubella* Goeze,1783; *bimaculosa* Fourcroy,1785; *rubralis* Villers,1789; *pygmeal* Duponchel,1833; *fucatalis* Treitschke,1835; *atrosanguinalis* Eversmann,1842 Original Reference: Phalaena obfuscata Scopoli,1763, Entomologia Carniolica: 232. Type(s): [Slovenien]: Carniolia [Krain]. Range (in code): ES FR Si IT BE DE CH AT CZ SK HU RO YU AL BG GR TR RU MD UA BY IR GlS KK TJ Al 05 13 16 65 05A 13G 13Ga 13Gb 16A 65D 65Do 65F 65Fd
- 554) *Pyrausta sanguinalis* (Linnaeus,1767)** (Pyalidae) Synonym(s): *sanguinalis* Linnaeus,1767; *crentalis* Scriba,1770; *haematalis* Hübner,[1819] Original Reference: Phalaena sanguinalis Linnaeus,1767, Syst. Nat. (Edn.12) 1(2): 882, no.339. Lectotype 1 ex: [Lusitania] (Robinson & Nielsen, 1983: 229). Range (in code): PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR DK NO SE FI EE LV RU MD UA BY Cc GG AZ Tbl Bjo Kir Lag AM Eri IL Pa Hf LB CY IR Gh Tgo Ana Ke Fa Shr Com Elb Kh Th Mz Plr Gor AF Pag Kot Bkt Asm Arh Hr Slg Bsg Gbh Srb Pli Nv Ord Len Mz GlS DZ Bsk Clo TN Gf CN Ui Ku Js 01 05 06 07 13 16 17 30 31 33 34 39 44 54 56 65 69 70 71 80 05A 06R 06Rb 13A 13Ab 13Ax 13F 16A 31K 31Ka 31M 33A 33Ac 44L 44Lc 56F 56Fo 65D 65Ds 70C 70Ce
- 555) *Pyrausta virginalis* Duponchel,1832** (Pyalidae) Synonym(s): *virginalis* Duponchel,1832; *auroralis* Zeller,1847; *neglectalis* Caradja,1916 Original Reference: Pyrausta virginalis Duponchel,1832, Hist. nat. Lépid. Papillons Fr. 8: 216-217, pl.224 fig.3. Type: [Greece]: Morée. Range (in code): TN Elk Sfx ES Cue FR Co Sa Si IT CH AT SK HU RO YU AL BG GR Cr Rd CY TR Cc AM Eri IL Pa Js IQ Hjo Mos Shq IR Fa Shr Sse Th Kdj Elb Mz Kh Srd AF Pnj Kbb Kot BdA 01 05 06 13 16 30 31 32 38 42 44 58 65 71 73 76 80 05A 06R 13F 16A 30B 30Bc1 30Bx 31K 31Ka 31M 44L 44Lc 65D 65Dh 65Ds 65Dg 65Du 65Dt 65N 65Np6 65Nm 73D 73Df 73Dfc 76C 76D 76Dd 80B 80Bc
- 556) *Sciota imperialella* (Ragonot,1887)** (Pyalidae) Synonym(s): *imperialella* Ragonot,1887 Original Reference: Nephopteryx imperialella Ragonot,1887, Annls Soc. ent. Fr. 1887: 230. Syntypes: Caucase [Borjom], Arménie russe [Kazikoparan]; Sibérie (cf. Ragonot,1893: 266-267). Range (in code): GR Cc GG Smt Bjo TR RU Sb 65 76 65D 65Dv 76C
- 557) *Scoparia ingratella* (Zeller,1846)** (Pyalidae) Synonym(s): *?majalis* Scopoli,1763; *ingratella* Zeller,1846; *ingratalis* Herrich-Schäffer,1853; *sibirica* Lederer,1853; *octavianella* Mann,1859; *catalonica* Leraut,1982 Original Reference: Eudorea ingratella Zeller,1846, Linn. Ent. 1: 283, fig. 5. Lectotype: Österreich: Wien. Range (in code): MA ES FR Sa Si IT DE CH AT PL CZ SK HU RO YU AL BG CY GR RU Sb MD UA BY TR LB Cc GG Tbl Bjo AM Ch At KG Ur Mn 05 58 65 05A 65D 65Du
- 558) *Sitochroa palealis* ([Denis & Schiffermüller],1775)** (Pyalidae) Synonym(s): *?flaveolata* Hufnagel,1767; *palealis* [Denis & Schiffermüller],1775; *stigmatalis* Villers,1789; *selenalis* Hübner,[1819]; *anaxialis* Walker,1859; *algiralis* Allard,1867; *extremalis* Caradja,1916 Original Reference: Pyralis palealis [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 123. Type(s): [Austria]: Vienna district [Types presumably destroyed by fire in 1848]. Range (in code): DZ Sfr Cst PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR IL Pa Hf DK NO SE FI EE LV LT RU MD UA BY IR Mz Gh Th Cc GG Lag AZ Nv Ord Da Der Hkd CN Ui Ku 06 14 16 30 37 42 46 58 65 16A 30B 30Bc1 30Bx 46G 46Gi 65D 65Dt 65Du 65F 65Fp 65Fz
- 559) *Sitochroa verticalis* (Linnaeus,1758)** (Pyalidae) Synonym(s): *verticalis* Linnaeus,1758; *inversa* Fourcroy,1785; *cinctalis* Treitschke,1829; *nigricillialis* Ragonot,1895 Original Reference: Phalaena verticalis Linnaeus,1758, Syst. Nat. (Edn.10)1: 533. Lectotype ♀: [Europa] (Robinson & Nielsen, 1983: 236). Range (in code): PT ES FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG IR Ab Ak Shf Elb GlS Th Kdj Ha Kh DK NO SE FI EE LV LT RU Sb MD UA BY AF Hr Bmu Kot Bark Fz Pli Bd UZ KG Tk Dj Ii JP 01 05 06 08 16 21 25 27 31 32 36 42 46 56 65 71 76 05A 05E 06R

06Rb 08H 08Hc 16A 21N 21Nh 27E 31M 36D 36Db 56F 56Fv 65D 65Da 65Dt 65Dl 65Dlc 65F 65Fp 65Fz  
76A 76Ae 76B 76Bj 76Bf 76Bh

- 560) Teliphasa (Sultania) lophotalis (Hampson,1900)** (Pyralidae) Synonym(s): *lophotalis* Hampson,1900 Original Reference: Macalla lophotalis Hampson,1900, Trans. ent. Soc. Lond. 1900 (2): 375. Syntypes ♂: [Turkey]: "Armenia, Zeitun [=Süleymanli]; Mardin" (coll. Staudinger). Range (in code): IQ Shq IL Pa JO TR LB Bsa IR Fa 07 13 30 31 33 45 46 47 56 65 73 07B 13F 30D 30Dx 31K 31Ka 33A 33Ac 56F 56Fo 65D 65Dv 65Du 73A 73Ad 73Ad2 73C 73Ce
- 561) Synaphe punctalis (Fabricius,1775)** (Pyralidae) Synonym(s): *punctalis* Fabricius,1775; *angustalis* [Denis & Schiffermüller],1775. Original Reference: Phalaena punctalis Fabricius,1775, Syst. Ent.: 644, nr.130. Type: Sweden (BMNH). Range (in code): MA DZ PT ES Mu FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR LB Bsa IL Pa Hf DK NO SE FI LV LT RU MD UA BY 01 17 33 46 65 65D 65Dv 65Du
- 562) Tephris romanoffella (Ragonot,1887)** (Pyralidae) Synonym(s): *romanoffella* Ragonot,1887 Original Reference: Nephopteryx romanoffella Ragonot,1887, Annls Soc. ent. Fr. 1887: 231. Syntypes ♀: [Turkmenistan]: Achal-Tekke. Range (in code): TM Kp TR IQ Shq 13 46 47 65 13F 65D 65Dv 65Du
- 563) Trepteryx pertusalis (Geyer,[1832])** (Pyralidae) Synonym(s): *pertusalis* Geyer,[1832]; *weissenbornii* Freyer Original Reference: Eurrhysis pertusalis Geyer,[1832], Zutr. exot. Schmett. 4: 36, figs. 763-764. Syntypes: Griechenland. Range (in code): FR GR Cr TR IQ Ama LB Bsa IL Pa 01 05 06 13 21 25 31 32 33 35 46 49 56 63 65 01L 01La 05A 06K 06Kd 06N 06Nc 06R 06Rd 13F 13G 13Gw 13Gü 21N 21Nb 46F 46Fd 49E 49Ea 56F 56Fc 56Fn 56Fx 65D 65Dh 65Dn 65Dv 65F 65Fb
- 564) Udea confinalis (Lederer,1858)** (Pyralidae) Synonym(s): *confinalis* Lederer,1858; *graecalis* Staudinger,1870 Original Reference: Botys confinalis Lederer,1858, Wien. ent. Monatschr. 2: 149 Taf.4 fig.4. Type ♀: Syria: Damask. Range (in code): GR TR Cc SY Dms IQ Ry Hjo IR Elb Nss Com Kz Th Fa Kh 13 46 65 76 13A 13Ab 13Ax 13F 13F6 65B 65Bo 65Bx 65D 76C
- 565) Udea ferrugalis (Hübner,1796)** (Pyralidae) Synonym(s): *ferruginalis* Rossi,1794 nec Fabr.,1781; *ferrugalis* Hübner,1796; *#ferugalis* Hübner,1796; *martialis* Guenée,1854; *hypatialis* Walker,1859; *testacea* Butler,1879 Original Reference: Pyralis ferrugalis Hübner,1796, Samml. eur. Schmett. 6, Pyralides: Tab.9 fig.54. Type(s): Europa. Range (in code): DZ MA PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR DK NO SE FI EE LV RU MD UA BY IL Pa Hf LB Bsa IR Ahz Elb Mz Kdv Dam Plr Gor Kdj Km Th Fa Shr Sse Kh Gh Tgo IQ Dia Bgd Rwx AF Ca Arh Khi Adr Fz Bsg Hr Blh IN LK MM ET JP TW TH CMA Dst Dso9 Cc GG Tbl Lag Len AZ Sok CN AE Ajj Clo 01 03 05 06 07 13 14 16 17 26 31 32 33 34 35 38 42 44 46 48 49 56 58 63 65 71 75 76 80 05A 06R 06Rb 13A 13Ab 13Ax 13F 13G 13Gö 13Gg 16A 31K 31Ka 31M 44E 44L 44Lc 48L 49F 49Fb 56F 63D 65D 65Du 65Dv 65F 65Fp 65Fz 65K 65Kl 65Ku 65N 65Nc 65Nc4 65Np1 65Nm 75F 75Fb 76D 76Dd 80B 80Bc
- 566) Udea lutealis (Hübner,[1809])** (Pyralidae) Synonym(s): *lutealis* Hübner,[1809]; *pascualis* Lienig & Zeller,1846; *aetialis* Stephens,1850; *aetialis* Guenée,1854 Original Reference: Pyralis lutealis Hübner,[1809], Samml. eur. Schmett. 6, Pyralides: Tab.22 fig.145. Type(s): Europa. Range (in code): ES FR IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG DK NO SE FI EE LV LT RU MD UA BY CN Ui Ju TR 65 65D 65Dp
- 567) Udea praepetalis (Lederer,1869)** (Pyralidae) Synonym(s): *praepetalis* Lederer,1869; *haemopsamma* Meyrick,1937 Original Reference: Botys praepetalis Lederer,1869, Horae Soc. ent. ross. 6: 90, pl.5 fig.11. Type: Iran: Astrabad [Gorgan], leg. Haberhauer. Range (in code): IR Ha Adv Fa Th Kdj Elb Kdv Mz Plr Gor Sse TR Cc AZ Nv Ord IQ Ry Slf TM KK CN Ui Kml 04 05 13 25 30 42 46 51 56 58 65 69 71 76 05A 13A 13Ab 13Ax 13B 13Bd 13F 25A 30B 30Bc1 30Bx 56F 56F1 56Fn 65B 65Bo 65Bx 65D 65Dl 65Dlc 65Dx 65F 65Fp 65Fz 65H 65K 65Kd 65Kg 65N 65Np2 65Nr2 65Nm 69B 76C
- 568) Uresiphita polygonalis ([Denis & Schiffermüller],1775)** (Pyralidae) Synonym(s): *polygonalis* [Denis & Schiffermüller],1775; *#limbalis* [Denis & Schiffermüller],1775; *gilvata* Fabricius,1794; *orientalis* Fabricius,1794; *diversalis* Hübner,1796; *rusticalis* Hübner,1796; *aversalis* Guenée,1854; *consanguinalis* Guenée,1854; *teriadalis* Guenée,1854; *deprivalis* Walker,1859; *virescens* Butler,1881; *ochrocrossa* Clarke,1971 Original Reference: Pyralis polygonalis [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 123. Type(s): Vienna district. Range (in code): TN Sfx PT ES FR Co Sa Si IT MT GB BE NL DE CH AT PL CZ SK HU RO YU BG GR Cr CY DK RU MD UA BY TR IL Pa Hf LB Bsa IQ Mos Brs Dia Amr Ssa IR Ahz Fa Shr Se Ha GlS Elb Th Kdj Lo KG Tks AF Hr Bmu Kab Srb Arh Gbh Bsg Blh Dwe Bkt PK Cp Gg ZA Tva Lpo Spb Hgl Mdk Lj Sd Krc Lbs An Grn Bei DZ Gtt Onç Anna Orn Ges 01 05 13 16 30 31 33 45 46 56 65 71 80 05A 13A 13Ab 13Ax 13F 16A 30D 30Dx 31K 31Ka 31M 46G 46Gf 46Gi 56F 56F1 65D 65Dv 65F 65F1 65Fz 65N 65Nc 65Nc4
- 569) Xanthocrambus saxonellus (Zincken,1821)** (Pyralidae) Synonym(s): *saxonellus* Zincken,1821; *chrysellus* Treitschke,1832; *carentellus* Christoph,1888 Original Reference: Chilo saxonellus Zincken,1821, Germar's Mag. Ent. 4: 254. Type(s): Deutschland: Leipzig. Range (in code): DZ Ges FR Co Sa IT BE DE CH AT CZ SK HU RO YU AL BG GR RU MD UA BY TR Cc AM Eri IR Gor Elb Shh Kdv Mz Plr 05 06 13 16 42 65 76 05A 13F 16A 65D 65Dd 65Dda 76C

- 570) Zophodiodes leucocostella Ragonot,1887** (Pyrilidae) **Synonym(s):** *leucocostella Ragonot,1887* Original Reference: Zophodiodes leucocostella Ragonot,1887, Annls Soc. ent. Fr. 1887: 241. Type(s): [Turkey]: Amasia. Range (in code): **TR 05 65 05A 65D 65Dv**
- 571) Saturnia (s.str.) pyri ([Denis & Schiffermüller],1775)** (Saturniidae) **Synonym(s):** *pyri [Denis & Schiffermüller],1775; teherana Lenek,1970; pinkerae Kobes,1980.* Original Reference: Bombyx pyri [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 49. Type(s): Vienna district. Range (in code): **PT ES FR Co Sa Si IT NL LU CH AT CZ SK HU RO DK YU AL BG GR Rd TR SY Dms LB Bsa Pa IL Hf IQ IR Ab Ak Oru Shf Msw Fa Shr Kh Ke Elb Th AM Eri AZ Nv Ord Hkd GG Tbl Smt Bjo Cc RU Da Der 05 06 07 10 12 13 15 16 17 19 21 22 25 26 28 30 31 32 33 38 34 42 44 46 47 50 53 56 58 64 65 72 73 76 05A 06H 06Ha 06R 06Ra 06Re 06Rl 07C 10U 12E 12Ed 13C 13Cf 17E 19G 21N 21Nb 21Nh 22A 25F 26K 28H 30B 30Be 30Bd 30Bx 31K 31Ka 33E 33G 34S 34Sb 47D 56F 56Fb 56Fh 64F 65D 65Dh 73A 73Ae 73Ak 76B 76Ba**
- 572) Bembecia hofmanni Kallies & K.Spatenka,2003** (Sesiidae) **Synonym(s):** *hofmanni Kallies & K.Spatenka,2003* Original Reference: Bembecia hofmanni Kallies & K.Spatenka,2003, Linn. ent. 19 (2): 87, figs. Holotype ♂: Iran: Lorestan, Osteran Kuh, Dorud E, Darb Astaneh E, 2600-3050m, A. Hofmann leg. (CAK). Range (in code): **IR Lo Th Elb Zj Kd TR 02 65 02F 02Fc 65D 65Db 65N**
- 573) Microsphecia tineiformis (Esper,[1789])** (Sesiidae) **Synonym(s):** *tineiformis Esper,[1789]; aselliformis Rossi,1794.* Original Reference: Sphinx tineiformis Esper,[1789], Die Schmett. (II) (Suppl.) Abs. 2 (3/4): 9, pl.38 fig.4. Type: [Italy], Florenz. Range (in code): **AET MA DZ TN PT ES Mu FR Co Sa Si IT HU YU AL BG GR Cr TR IR Elb Th Kdj 10 16 35 46 65 16A 65D**
- 574) Negotinthia hoplisiformis (Mann,1864)** (Sesiidae) **Synonym(s):** *hoplisiformis Mann,1864* Original Reference: Paranthrene hoplisiformis Mann,1864, Wien. ent. Monatschr. 8 (6): 176. Type: [Türkei: Bursa Prov.]: "Brussa". Range (in code): **GR TR Cc AM Kho IR Kd Lo By Fa 01 05 16 46 47 65 73 01K 16A 65D**
- 575) Synanthedon vespiformis (Linnaeus,1761)** (Sesiidae) **Synonym(s):** *vespiformis Linnaeus,1761; asiliformis Rottemburg,1775; oestriformis Rottemburg,1775; cynipiformis Esper,1783; chrysorrhoea Donovan,1795* Original Reference: Sphinx vespiformis Linnaeus,1761, Fauna Suecica (Edn.2): 289. Type: Sweden. Range (in code): **PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc DK SE LT RU MD UA BY IR Fa By 01 05 06 07 08 15 16 22 25 33 39 42 60 65 16A 22F 65D 65Dt**
- 576) Akbesia davidi (Oberthür,1884)** (Sphingidae) **Synonym(s):** *davidi Oberthür,1884* Original Reference: Deilephila davidi Oberthür,1884, Annls Soc. ent. Fr. 6 (4) (Bull.): 11-13. Type: [Turquie]: Akbes (leg. A. Armand David). Range (in code): **TR IQ Ssa Cc AZ IR Elb Th Fa Ss SY IL Pa Jt Gol Hal LB AF Bm Srb JO 01 02 27 30 31 33 46 56 63 65 72 73 02E 02Ec 31K 31Ka 31M 56F 56Fa 56Fm 65D 65Di**
- 577) Clarina kotschyi (Kollar,[1849])** (Sphingidae) **Synonym(s):** *kotschyi Kollar,[1849]; mardina Staudinger,1901.* Original Reference: Deilephila kotschyi Kollar,[1849], Denkschr. Akad. Wiss. Wien 1: 53. Type: [Iran]: "Südpersien, Schiraz". Range (in code): **TR IR Elb Th Mz Fa Kh IQ Shq IL Pa 21 30 47 56 65 21N 21Nb 30B 30Bc1 30Bx 47D 47F 47Fa 56F 56Fa 56Fg 56Fx 65D**
- 578) Dolbina elegans A.Bang-Haas,[1913]** (Sphingidae) **Synonym(s):** *elegans A.Bang-Haas,[1913]; steffensi Popescu-Gorj,1971.* Original Reference: Dolbina elegans A.Bang-Haas,[1913], Dt. ent. Z., Iris 26 [31.12.1912]: 229-230. Syntypes: [Türkei]: Akbés bei Alexandrette [Iskenderun]. Range (in code): **MD RO BG GR TR IR JO 13 21 31 32 33 56 62 65 13F 21N 21Nb 21Nh 31M 56F 56Fa 56Fç 56Fg 62E 65D 65Di**
- 579) Hemaris (Cochrania) croatica (Esper,[1779])** (Sphingidae) **Synonym(s):** *croatica Esper,[1779]; sesia Hübner,[1806]; #obscurata Closs,1911; #rangnowi Closs,1911.* Original Reference: Sphinx croatica Esper,[1779], Die Schmett. (II) (Suppl.) Abs.2 (8/9): 33, pl.45 fig.2. Type: Croatia, [Karlovac] "Carlstadt". Range (in code): **IT HU YU HV AL RO BG GR TR IQ IR TM RU Ro Or Ao Sr KG Uk GG Tbl Cc AZ Nv Ord LB Bsa JO IL Pa 05 06 13 16 30 33 42 44 45 46 50 56 60 65 71 05A 06R 06Ra 13F 13G 13Gs 13Gw 16A 30B 30Ba 30Bg 30Bd 30Bx 30Be 30Bh 30Bl 33G 46G 50G 56F 56Fi 60C 65D 65F 65Fe 65K 65Kl 65Kz 65Kg 65N 65Nr4 65Nm**
- 580) Hemaris (Eitschbergera) tityus (Linnaeus,1758)** (Sphingidae) **Synonym(s):** *tityus Linnaeus,1758; bombyliiformis Linnaeus,1758; knautiae Zeller,1869; scabiosae Zeller,1869; alaiana Rothschild & Jordan,1903; karaugomica Wojtusiak & Niesiolowski,1946; #tityrus De Freina,1983; saldaitisi Eitschberger, Danner & Surholt,1998* Original Reference: Sphinx tityus Linnaeus,1758, Syst. Nat. (Edn.10) 1: 493. Range (in code): **DZ PT ES FR Co Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR GG Cc IR Elb Th DK NO SE FI EE LV LT AM RU Or Ur Tv MD UA BY KK KG Ssn Sp At CN Mc Ts Kno 05 13 16 20 36 60 65 76 05A 13B 13Bg 13G 13Gs 13Gw 16A 36D 36F 60C 65D 65Dç 65Fz**
- 581) Hemaris (s.str.) syra (Daniel,1939)** (Sphingidae) **Synonym(s):** *syra Daniel,1939; #syriaca Müller, Kravchenko, Li, Eitschberger, Hausmann, Miller, Orlova, Ortal, Speidel, Witt,2005* Original Reference:



- Haemorrhagia fuciformis ssp. syra Daniel,1939, Mitt. münch. ent. Ges. 29: 94, Taf.2 nr.18. Type ♂: [Turkey]: [Osmaniye Prov.], Düldül Dağı. Range (in code): TR Cc JO IQ Ssa IL Pa 05 12 16 30 36 60 65 75 80 12A 12Aa 16A 30B 30Bd 30Bx 65D 65Dc 65Do 65Doa 65Dü 65Fz 75F 75Fc 80B 80Bb
- 582) Hyles conspicua (Rothschild & Jordan,1903)** (Sphingidae) Synonym(s): *conspicua Rothschild & Jordan,1903*. Original Reference: Celerio euphorbiae ssp. conspicua Rothschild & Jordan,1903, Novit. zool. 9 (Suppl.): 720. Type: [Lebanon]: Syria: Beirut. Range (in code): TR Cc GG Smt Bjo Tbl JO IL Pa Hf LB Bsa Bei IQ SY Dms IR Elb Th 01 05 06 07 09 10 13 14 15 16 17 20 21 24 25 30 32 33 35 36 42 45 46 47 48 50 51 56 58 60 63 65 70 73 76 01H 05A 06R 06Ra 06Re 10C 10D 13A 13Ab 13Ae 13Ax 13F 16A 21L 21Lc 21N 21Nb 24G 25C 25Ca 30B 30Bd 30Bx 30D 30Da 30Df 36D 51D 47F 47Fa 48G 48Gb 56F 56Fh 56Fa 56Fs 58G 58Gg 60C 63B 65B 65Bo 65Bx 65D 65F 65Fb 65Fe 65Fş 65N 65Nc 65Nc4 65Np 65Np1 65Np2 65Nm 70C 70Cf 73C 73Cd 73D 73Da 76A 76Ac 76B 76Bb
- 583) Hyles hippophaes (Esper,[1789])** (Sphingidae) Synonym(s): *hippophaes Esper,[1789]; teriolensis Dannehl,1929; kiortsii Koutsaftikis,1974; #hippophaes De Freina,1981* Original Reference: Sphinx hippophaes Esper,[1789], Die Schmett. (II) Suppl.) Abs. 2 (3/4): 6, pl. 38 figs. 1-2. Type: Wallachei, Milkowfluss nr. Foxan. Range (in code): ES FR Co IT DE CH AT RO YU BG GR TR RU Da Der MD UA BY KG TJ Pm UZ Fe CN Ui Ku Ln MN IR Ch Cc GG Tbl AF Sfk Kab Srb 06 19 23 25 30 36 44 46 50 62 65 71 76 06K 06Kc 19P 23I 25T 30B 30Ba 36F 44L 50G 65D 65F 65Fp 65Fz 65K 65Kb 65N 65Np 65Nm
- 584) Hyles nicaea (Prunner,1798)** (Sphingidae) Synonym(s): *nicaea Prunner,1798; cyparissiae Hübner,[1813]; #nicea De Freina,1981* Original Reference: Sphinx nicaea Prunner,1798, Lepid. Pedemont: 86. Type: Nice, Alpes-Maritimes. Range (in code): DZ Sbd MA Khh Afl PT ES FR Co Sa IT YU AL BG GR TR Cc AM Eri LB Bsa UA Cm IN KG Ssn IQ 06 13 19 25 30 36 50 58 60 65 66 76 19C 13A 13Ab 13Ax 13G 13Gü 13Gw 30B 30Ba 30Bd 30Bx 30D 30Da 36D 36F 50G 58Ia 60C 65Bx 65D 65Dl 65Dlc 65F 65F1 65Fp 65Fz 65G 65Ge 65K 65Kd 65Kg 66P
- 585) Laothoe populeti (Bienert,[1870])** (Sphingidae) Synonym(s): *populeti Bienert,[1870]; populetorum Staudinger,1887; syriaca Gehlen,1932; intermedia Gehlen,1934*. Original Reference: Smerinthus populeti Bienert,[1870], Lepid. Ergebn. Reise Persien: 33. Type: Iran: "Meschhet". Range (in code): TR Cc AZ Nv Ord Kir GG Bjo Lag AM LB SY IQ IR Ab Oru Qba Mz GlS Kh TM UZ TJ KK KG Uk Ssn T-S CN Ui Ku Ts Kno 02 05 06 12 13 25 30 32 36 42 44 46 48 53 56 60 65 71 75 02E 02Ec 05A 06R 06Ra 12E 13A 13Ab 13Ax 13F 13G 13Gü 13Gw 30B 30Bd 30Bx 30C 30Cd 30D 30Da 36D 36Db 36F 44E 44Eh 46G 48L 56F 56F6 56F3 56F1 60C 65D 65N 65Np 65Nm 75F 75Fb
- 586) Macroglossum stellatarum (Linnaeus,1758)** (Sphingidae) Synonym(s): *stellatarum Linnaeus,1758; nigra Cosmovici,1892*. Original Reference: Sphinx stellatarum Linnaeus,1758, Syst. Nat. (Edn.10) 1: 493. Range (in code): Cn MA DZ TN LY EG PT ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU MK AL BG GR Cr TR IQ SY LB Bsa IL JO DK NO SE FI EE LV LT RU Sr Ur Mo Ao Sb To Am Vv MD UA Cm IR Elb Kh Ke KK KG Uk Ssn Sp TM Krn Kp TJ Pm UZ AF Ca PK Bl Qu CN Ui Kun BY KP KR TW JP Az Md CY Pa Hf K-A Lps Shh Ur Ask Pkn Cm Vl Pt Tt Or Bgd Rd JO Kab Khi Pjr Hrz Cc Mre Ab Qba Oru Ak Shf Rbt Saia Orn Agi Blid Omy Bsk Ktr Mzg Hrh Ahr Sfr Tni Tis 01 05 06 09 10 11 13 14 16 17 21 25 30 31 33 35 36 38 45 46 48 55 56 58 60 63 65 70 71 75 76 01H 05A 06R 06Rd 10D 10K 10Ka 13A 13Ab 13Ac 13Ax 13F 13Gw 13Gü 16A 30B 30Bc2 30Bx 33A 33Aa 36D 36Db 38G 38Ga 46F 46Fd 48A 48G 48Gb 48F 48L 55F 56F 56Fg 56Fm 56Fa 58N 63D 65B 65Bn 65Bn1 65D 65Dn 65Du 65E 65Eb 65Ec 65F 65Fb 65Fc 65Fd 65Fş 65Fz 65G 65Gs 65K 65Ks 65Kz 65Kg 65Ky 65Ky1 65M 65Mc 65Md 65N 65Np 65Nm 70C 70Cb 75F 76B 76Bi
- 587) Marumba quercus ([Denis & Schiffermüller],1775)** (Sphingidae) Synonym(s): *quercus [Denis & Schiffermüller],1775; denisii Fuessly,1779; #brunnescens Rebel,1910; #canescens, pallescens Closs,1922; mesopotamica O.Bang-Haas,1938; schirasi O.Bang-Haas,1938; #pallida Vilarrubia,1973*. Original Reference: Sphinx quercus [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 41, Tab 1 fig.1. Type(s): Vienna district. Range (in code): MA PT ES FR Co Sa Si IT CH AT CZ SK HU RO YU AL BG GR TR AM AZ GG Cc Smt Bjo RU MD UA IR Fa Shr IQ Rzw LB JO 01 05 06 07 10 12 13 19 21 30 33 42 46 47 48 49 56 62 65 73 05A 06R 06Rb 10D 13F 19B 21N 21Nb 21Nh 30B 30Ba 30Bh 30C 30Cd 33A 33Ac 42B 47F 47Fa 48G 48Gb 49E 49Ea 56F 56Fa 56Fb 56F3 56Fc 56Fy 56Fx 56Fv 56Fg 56F1 56Fc 56Fs 56Fm 62E 65D 65Dl 65Dlc 65Du 73A 73Ae 73C 73Cd 73D 73Df 73Dfc
- 588) Proserpinus proserpinus (Pallas,1772)** (Sphingidae) Synonym(s): *proserpinus Pallas,1772; oenotherae [Denis & Schiffermüller],1775; schiffermülleri Fuessly,1779; francofurtana Fabricius,1781; aenotheroides Butler,[1876], maxima Groum-Grshimailo,1887; japetus Groum-Grshimailo,1890; gigas Oberthür,1922*. Original Reference: Sphinx proserpina Pallas,1772, Spicilegia Zool. 9: 26, pl.2 fig.7. Range (in code): MA LT CZ SK DE NL GB BE LU FR ES Grn Snv Alv Act Bgs Ccs Hv Ter Lda Gna Hue Nrr Rio Val Ple PT Si IT CH AT HU YU MK HV BY UA Cm B-H RO BG AL GR TR GG Bjo AM Eri LB JO IR Elb Th KG Uk Kw Sp Tk Aa UZ TJ TM Kp RU Pt Mo Chu Tt Pe Ul Sm Sr Vl Ao Ba Pr St No Om To AF Nu Bsg Pag Kab 13 40 65 13F 40G 40Ga 65D 65Du 65N 65Nc
- 589) Rethera komarovi (Christoph,1885)** (Sphingidae) Synonym(s): *komarovi Christoph,1885; #kamarowi Wagner,1931; rjabovi O.Bang-Haas,1934; #albocingulata O.Bang-Haas,1934; #roseocingulata O.Bang-Haas,1937* Original Reference: Deilephila komarovi Christoph,1885, [in] Romanoff, Mem.

Lepid. 2: 169. Type: Askhabad. Range (in code): MK AL BG GR TR Cc GG Bjo AM AZ Nv Ord RU AF KG IQ IR Kh Fa PK Bl Chm JO 05 06 13 23 30 36 42 44 46 56 60 65 66 70 71 05A 06R 06B 06Bb 06Ra 13F 23I 30B 30Bc1 30Bg 30Bl 30Bd 30Bx 30Ba 36D 36F 42B 44L 44Lc 47F 47Fa 56F 56Fa 56Fb 56F6 56Fm 56Fq 56Fx 56Fb 56F1 60C 65B 65Bo 65Bx 65D 65Di 66P 70C 70Cf

**590) *Sphingonaepiopsis gorgoniades* (Hübner,[1819])** (Sphingidae) Synonym(s): *gorgon* Esper,[1804] nec Cr.,1777; *gorgoniades* Hübner,[1819]; *chloroptera* von Mentzer,1974. Original Reference: Proserpinus gorgoniades Hübner,[1819], Verz. bekannt. Schmett.: 132 (proposed as nomen novum for Sphinx gorgon Esper,[1804] nec Cramer,1777). Type(s): [Russia]: lower Wolga (probably lost). Range (in code): HV RO AL GR BG UA Cm RU Ur Or MK Skj AM GG Cc TR LB Bsa IR Ab Ak Elb Th Kh Lo IQ Hjo AF Kab JO IL Pa KK KG TJ UZ Fe Man 05 13 16 33 36 46 50 56 60 65 13F 13G 13Gs 13Gw 16A 36D 36Db 46L 56F 56Fg 60C 65D 65Dg 65Fz 65N 65Np 65Np1 65Np2 65Nm

**591) *Tethea ocularis* (Linnaeus,1767)** (Thyatiridae) Synonym(s): *ocularis* Linnaeus,1767; *octogena* Esper,1788; *kosswigi* Werny,[1967]; *caucasica* Werny,[1967] nec Krul.,1901 Original Reference: Phalaena ocularis Linnaeus,1767, Syst. Nat. (Edn.12) 1 (2): 837. Type(s): "Italia". Range (in code): PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR DK NO SE FI EE LV LT RU Sr Ur Da Am GG Bjo Lag Smt MD UA BY IQ Cc IL Pa AZ Lag Nv Ord Kir IR Elb Th Kdj Ak Shf UZ KG KK Na TJ CN 03 06 12 13 14 15 17 19 21 32 36 37 42 43 46 50 56 60 62 65 71 03A 03Aa 06F 06Fb 06A 06Aa 06R 06Rb 06Y 13G 13Gg 13Gü 13Gy 13Gw 14B 14Bb 17E 17H 19P 21N 21Nb 36F 37P 42B 42D 46D 43M 49E 49Ea 50G 56F 56Fa 56F3 60C 62E 65D 65Dh 65F 65Fe 65Fr 65Fp 65Fg 65N 65Nc

**592) *Hapsifera luridella* Zeller,1847** (Tineidae) Synonym(s): *luridella* Zeller,1847; *eburnea* Butler,1881; *palaestinensis* Rebel,1901; *baliopsamma* Meyrick,1921; *torulosa* Turati,1919; *cyrenaicensis* Turati,1924; *pustulatella* Lucas,1942 nec Zell.,1852; *kerbelella* Amsel,1949; *asiatica* Amsel,1949; *susaella* Amsel,1959 Original Reference: *Hapsifera luridella* Zeller,1847, Isis 1847: 33. Syntypes 3♂; Lectotype ♂: [Turkey]: "Patara", designated by Robinson,1982, Entomologist's Gaz. 33: 178 (BMNH). Range (in code): MA TN LY Cy EG MK BG GR Cr TR CY LB Bei IL Pa Hf JO IQ Kbl Hjo SA YE IR Ab Oru Kz Ahz Yas Km Sdt Mak Ak Hz Bu Fa Shr Ss Ke Jrf Kaz Das Snj Kd Es Th Kdj Qz Gh Elb Dam UZ TJ PK Krc AF Srb BH Cc GG Lag AM AZ Kir Nv Ord SY Dms IN PH JP 01 05 06 16 21 22 27 31 42 46 56 65 71 73 76 05A 06R 21L 21N 21Nh 31M 56F 56Fb 56Fs 56Fs1 65D 65N 65Np2 65Np6 65Nm 71B 71D 73D 73Df 73Dfc 76B 76Bb 76C

**593) *Aethes* sp. aff. *moribundana* (Staudinger,1859)** (Tortricidae)

**594) *Aethes spirana* (Kennel,1899)** (Tortricidae) Synonym(s): *spirana* Kennel,1899 Original Reference: *Cochylis spirana* Kennel,1899, Dt. ent. Z., Iris 12: 35-36, Taf.1 fig.34. Type ♀: [Kazakhstan]: "Lepsa" (MNHB). Range (in code): KG Lps DsA KK Ax UZ TJ IR Th Ss TR 30 65 30D 30Db 65D 65Dh 65Dg (Figs. 2-4, 73)



**Fig. 73** – *Aethes spirana*, crepuscular moth at rest in the evening. Turkey, Van Prov., Çatak Darboğaz 2000m 6 6 2004, M.Kemal (Cesa)

**595) *Aethes tesserana* ([Denis & Schiffermüller],1775)** (Tortricidae) Synonym(s): *tesserana* [Denis & Schiffermüller],1775; *aleella* Sulzer,1776; *heiserana* Fabricius,1787; *groendaliana* Thunberg,1791. Original Reference: Tortrix tesserana [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 126. Type(s): Vienna district. Range (in code): PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU HV MK AL BG GR TR SY Hal LB DK SE FI EE LV LT RU Tt Pr IR Elb 05 06 16 36 40 60 65 05A 06F 16A 36D 36Db 60C 65D 65Dd 65Dda 65Dl 65Dn 65F 65Fd 65N 65Np2 65Np5 65Nm



**Fig. 74** – *Aethes* sp., a crepuscular species at rest in the evening. Turkey, Van Prov., Çatak Darboğaz 2000m 6 6 2015, M.Kemal (Cesa)

- 596) *Aleimma loeflingianum* (Linnaeus,1758)** (Tortricidae) Synonym(s): *loeflingiana* Linnaeus,1758; *mixtana* Fabricius,1794; *plumbana* Hübner,[1799]; *ectypana* Hübner,[1800]; *plumbeolana* Haworth,1811 Original Reference: *Phalaena* (Tortrix) *loeflingiana* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 531. Type(s): Europa. Range (in code): **PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU B-H MK AL BG GR TR GG Tbl SY Dms Hal DK NO SE FI EE LV LT RU MD UA BY Cm Da Cc IR By Kd Snj Sqq 05 06 16 17 22 32 42 44 46 49 56 65 71 81 05A 16A 44L 44Lc 49E 49Ea 56F 56Fb 56F1 65D 65Dlc 65Dt 65F 65Fr**
- 597) *Aphelia (Zelothereses) ferugana* (Hübner,1793)** (Tortricidae) Synonym(s): *ferugana* Hübner,1793; *ochreana* Hübner,[1799]; *shaqlawana* Amsel,1955; *chretieni* Obratzsov,1957 Original Reference: [Tortrix] *ferugana* Hübner,1793, Samml. ausserl. Vögel Schmett.: 10, pl.51. Range (in code): **FR Sa Si IT DE CH AT CZ SK HU RO YU AL BG GR TR IQ Shq SY Hal Cc AM Eri GG IR Qz Th Kdj 05 13 14 16 21 30 31 42 46 49 56 65 71 73 05A 13Gö 13Gg 13Gs 13Gw 16A 21L 21Lc 21N 21Nb 31M 49F 49Fb 56F 56Fc 65D 65Dg 65Di 65Dh 65Du 65F 65Fd 65Fe 65Fç 65Fz 65G 65K 65Kz 65Kg 65N 65Np 65Np1 65Np2 65Nm 73A 73Ak (Fig. 75)**



**Fig. 75** - *Aphelia ferugana*, at rest. Turkey, Van, Çatak Darboğaz 2020m, 8 6 2015, M. Kemal (Cesa)



- 598) Archips xylosteanus (Linnaeus,1758)** (Tortricidae) Synonym(s): *xylosteana* Linnaeus,1758; *obliquana* Fabricius,1781; *westriniana* Thunberg,1784; *densata* Fourcroy,1785; *densana* Villers,1789; *characterana* Hübner,1793; *hybnerana* Fabricius,1794; *pallens* Kennel,1901 Original Reference: Phalaena (Tortrix) xylosteana Linnaeus,1758, Syst. Nat. (Edn.10): 531. Lectotype ♀: Europa, designated by Robinson & Nielsen,1983. Range (in code): **DZ PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU MD UA BY Cc GG SA IR Ak Mrd Gls Mz Th Dam Zj 16 18 24 34 41 56 65 16A 56F 65D 65Dl 65Dlc**
- 599) Cnephasia (Cnephasiella) incertana (Treitschke,1835)** (Tortricidae) Synonym(s): *incertana* Treitschke,1835; *subjectana* Guenée,1845; *minorana* Herrich-Schäffer,1851; *barbarana* Walsingham,1900; *kurdistanana* Amsel,1955; *atticana* Razowski,1958 Original Reference: Sciaphila incertana Treitschke,1835, Schmett. Eur. 10 (3): 91. Syntypes: Europe. Range (in code): **PT ES FR Sa Si? IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR SY DK NO SE FI EE LV LT RU MD UA BY Cc GG IQ Shq 05 34 38 42 44 46 65 05A 42B 42K 65D 65Dh (Fig. 76)**



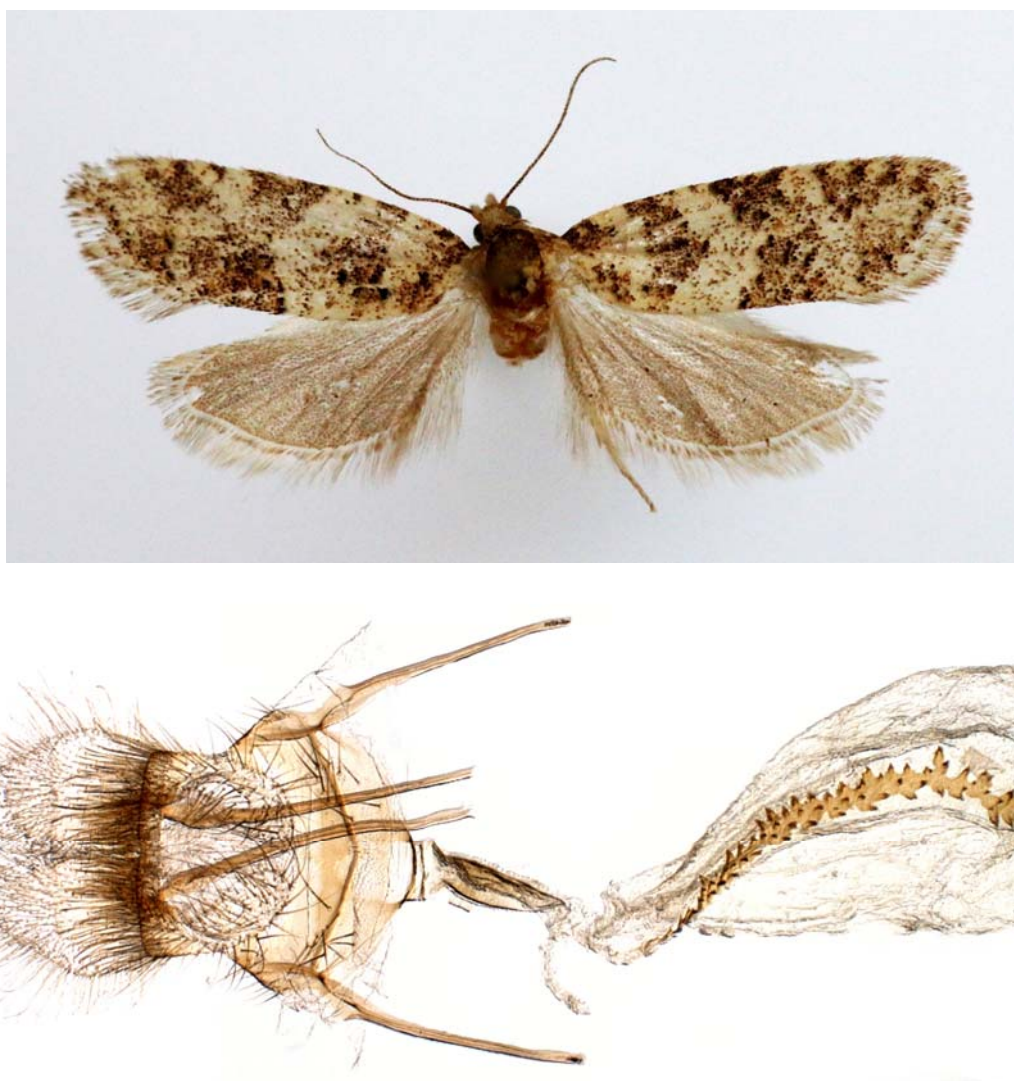
**Fig. 76** – *Cnephasia incertana* (Tortricidae), Turkey, Van Prov., Çatak 3km NNE 1500m, 21 6 2004, GP2279♂, M Kemal & A.Koçak leg. (Cesa)

- 600) Cnephasia (s.str.) orientana (Alpheraky,1877)** (Tortricidae) Synonym(s): *orientana* Alpheraky,1877 Original Reference: Sciaphila orientana Alpheraky,1877, Trudy Vses. ent. Obstsh. 10 (1876): 48. Syntypes: Russia: Tagonrog. Range (in code): **MT RO BG TR SY Dms RU UA Cm CY Cc AM Eri GG KG Uk TM UZ TJ IR Elb Dam Ar Ab Oru Es Gh Km Th IQ AF 06 13 30 38 44 46 56 65 76 13A 13Ab 13Af 13Ax 44A 44Ab 44L 44Lc 46F 46Ff 56D 56Dc 65B 65Bo 65Bx 65D 65Dg 65Dga 65F 65Fç 65Fz 65K 65Kd 65Kg 76C (Fig. 77)**



**Fig. 77** - *Cnephasia orientana*, a male at rest. Turkey, Van Prov. Çatak Darboğaz, 1950m, 21 06 2010, M Kemal (Cesa)

**601) Cnephasia (s.str.) sp. 1:** A single female was collected by the author. Externally it resembles to *C. graecana* Rbl./*grandis* Osth. Very long signum supports also this affinity (**Figs. 78, 79**). However, more material, especially males are needed for identification. Biology of this species is unknown (Razowski, 2002).

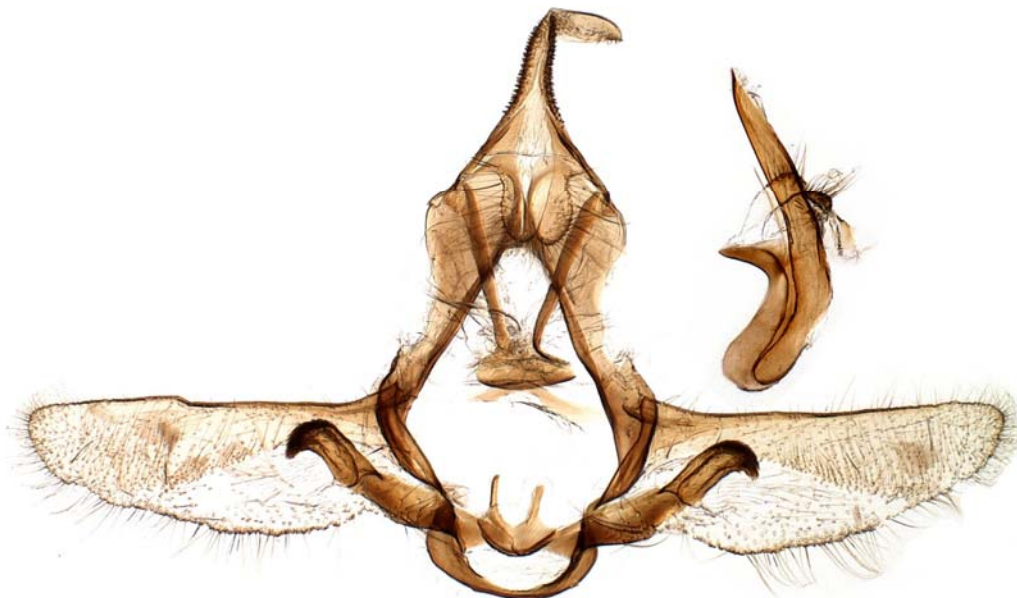


**Figs. 78, 79** – *Cnephasia* sp. 1 (*Tortricidae*) Female, upperside of the adult (above), and its genitalia (below) (GP2277♀), prep. M. Kemal (Cesa)

**602) Cnephasia (s.str.) sp.2 (Figs. 80, 81):** It looks like some degree to *C. cupressivorana* but differs at the following points of the male genitalia: 1- costa of valva straight. 2- shape of lateral view of aedeagus and its accessory different. 3- Lateral arms of anellus remarkably slender (cf. Razowski, 2002: pl.27 fig.266: *cupressivorana*; see also [http://www.lepidopterenforum.de/lepidopterenforum/lepidwiki/pics/rudolf\\_bryner/cupressivorana\\_gpm.jpg](http://www.lepidopterenforum.de/lepidopterenforum/lepidwiki/pics/rudolf_bryner/cupressivorana_gpm.jpg)). Our species looks like also to *C. asiatica* Kuzn. to some degree. But the male genitalia differs from it at the following points: 1- width of valva never constant, tapering remarkably to apex. 2- aedeagus stout, shape of lateral view different (**Fig. 82**). 3- Gnathos remarkably long (cf. Razowski, 1965: fig.46: *asiatica*). In the female genitalia, ostium bursae weakly sclerotized. Widest part of signum with 7 rows of spines (**Fig. 83**) (cf. Razowski, 1965: fig.47: *asiatica*). Certainly, the male genitalia of this species resembles to *C. laetana* and its relatives (*asiatica*, *cupressivorana*, *conspersana*, *zangeriana* etc.). However, we are unable to decide its specific identity, for the time being.



**Figs. 80, 81** - *Cnephasia* sp. 2 (Tortricidae), Van Çatak NNE, 1500m, 21 6 2004. Left: male (GP2276), right: female (GP2275), see below. prep. by M. Kemal (Cesa)



**Fig. 82** - *Cnephasia* sp.2 - Male genitalia (GP2276), Turkey Van prov., Çatak, M Kemal (Cesa)



**Fig. 83** - *Cnephasia* sp.2 - Female genitalia (GP2275), Turkey Van prov., Çatak, M Kemal (Cesa)

**603) *Cochylimorpha diana* (Kennel,1899)** (Tortricidae) Synonym(s): *diana* Kennel,1899; *iraniana* Razowski,1963 Original Reference: *Cochylis diana* Kennel,1899, Dt. ent. Z., Iris 12: 13-14, Taf. 1 fig.12. Type ♂: [Türkei]: "Maraseli" [Kahramanmaraş] (ZMB). Range (in code): [RU](#) [TR](#) [Cc](#) [IL](#)



Js Jt Pa JO Amm LB Baa SY Dms IR Fa Ab Oru Skn Bzg Qz Th Kdj Ma Fa Kz TM 06 13 42 44 46 47 58  
65 76 06F 06R 13A 13Ab 42R 44L 47D 58N 65D 65F 65Fş 65N 65Nb 65Ne 76C

- 604) *Cochylimorpha* sp. :** Material studied: 1♂. Turkey Van Prov., Çatak Büyükağaç 1400m (65Du), 21 7 2005, M. Kemal & A.Koçak leg. (Cesa). This species is characterized by the absence of cornutus in aedeagus and the shape of transtilla (**Fig. 84**). More material is needed for further researches.



**Fig. 84** – Male genitalia of *Cochylimorpha* sp. (GP2281). Turkey, Van Prov., Çatak, Büyükağaç, prep. M.Kemal (Cesa)

- 605) *Cochylis salebrana* Mann,1862** (Tortricidae) Synonym(s): *salebrana* Mann,1862; *millierana* Peyerimhoff,1877. Original Reference: *Cochylis salebrana* Mann,1862, Wien. ent. Monatschr. 6: 395. Lectotype ♀: [Türkei]: Brussa [Bursa] (NHMW). Range (in code): **ES FR IT HU YU HV BG TR RU Da Cc MD UA BY 14 16 65 16A 65D 65Dh**

Material studied: 1♂. Turkey Van Prov., Çatak 3km NNE 1500m (65Dh), 21 6 2004, M. Kemal & A.Koçak leg. (Cesa) (**Figs. 85, 86**).

This species is very little known in NW Turkey, and new for Van Provincial fauna in East Turkey.

- 606) *Crociosema plebejana* Zeller,1847** (Tortricidae) Synonym(s): *plebejana* Zeller,1847; *altheana* Mann,1855; *lavaterana* Millière,1863; *peregrinana* Möschler,1866; *obscura* Wollaston,1879; *blackburnii* Butler,1881; *signatana* Walsingham,1894; *ptiladelpha* Meyrick,1917; *insulana* Aurivillius,1922; *synneurota* Meyrick,1926; *tornocycla* Turner,1946; *charmera* Turner,1946. Original Reference: *Crociosema plebejana* Zeller,1847, Isis 1847: 721. Type(s): Sicilia: Syracuse. Range (in code): **DZ Anna Bsk MA TN Gf Cn Md Az PT ES FR Co Sa Si IT MT IE GB BE DE CH AT PL CZ SK HU RO YU B-H HV MK SS AL BG GR Cr TR DK RU MD UA BY Cc GG AZ AM SA SD IR IL Hf LB Bsa SA As YE TM IN Hp Ddu LK TH CMa TW AU CA US Cf MX BR PE CO VE EC GS ZA PH Luz Hw SH CL FJ TO WS 01 13 14 31 42 65 01K 13A 13Ab 13Ax 31M 42B 65D 65Du**



**Figs. 85, 86** - *Cochylis salebrana* – Above: wings of male. Below: male genitalia (GP2282). Turkey, Van Prov., Çatak, prep. M. Kemal (Cesa)

- 607) Croesia forsskaleana (Linnaeus,1758)** (Tortricidae) Synonym(s): *forsskaleana* Linnaeus,1758; *forskaliana* Haworth,1811. Original Reference: Phalaena Tortrix forsskaleana Linnaeus,1758, Syst. Nat. (Edn.10) 1: 531. Type(s): Europa. Range (in code): **ES FR Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL GR TR DK NO SE FI EE LV LT RU MD UA BY Cc GG US Ny IR Bk Ak 14 34 65 65D**
- 608) Cydia caecana (Schläger,1847)** (Tortricidae) Synonym(s): *caecana* Schläger,1847; *obcaecana* Ragonot,1876 Original Reference: Grapholitha caecana Schläger,1847, Ber. lepidopt. Tausch.-Ver. 1847: 234. Range (in code): **DZ Lbs PT ES FR IT GB BE DE CH AT PL CZ SK HU RO YU AL TR SE FI EE LV RU Sb Us MD UA BY SY Hal IR Cc KG CN 05 16 42 46 65 71 05A 16A 42B 65D 65Dlc 65N 65Np 65Nm**
- 609) Dichrorampha ligulana (Herrich-Schäffer,1851)** (Tortricidae) Synonym(s): *#ligulana* Herrich-Schäffer,1848; *ligulana* Herrich-Schäffer,1851; *plusiana* Staudinger,1871; *obliterana* Müller-Rutz,1934 Original Reference: Grapholitha ligulana Herrich-Schäffer,1851, Syst. Bearb. Eur. Schmett. 4: 260. Type: Europe. Range (in code): **FR IT CH AT SK B-H YU BG TR 65 65D**
- 610) Eana aff. penziana:** Material studied: 1♀. Turkey Van Prov., Çatak Büyükağaç 1400m (65Du), 21 7 2005, M. Kemal & A.Koçak leg. (Cesa) (**Figs. 87, 88**). Male specimens are needed for its identity.



**Figs. 87, 88** - *Eana* aff. *penziana*. Female genitalia (GP2280), and upperside of wings. Turkey Van Prov., Çatak Büyükağaç, prep. M. Kemal (Cesa)

- 611) *Epiblema cirsiarum* (Zeller,1843)** (Tortricidae) Synonym(s): *cirsiarum* Zeller,1843  
Original Reference: Tortrix (Paedisca) cirsiarum Zeller,1843, Stettin ent. Ztg. 4: 150 Type: Österreich. Range (in code): **GB LU AT DE DK NO SE EE TR RU Ur Us Sb KG 65 65D 65Dd 65Dda**
- 612) *Epinotia festivana* (Hübner,[1799])** (Tortricidae) Synonym(s): *festivana* Hübner,[1799]  
Original Reference: [Tortrix] festivana Hübner,[1799], Samml. eur. Schmett. Tortrices: pl.9 fig.52. Type: Europe. Range (in code): **PT FR Sa Si IT CH AT CZ SK HU RO YU AL GR BG TR RU MD UA BY Da Cc IR 05 06 12 14 16 46 56 65 71 81 05A 06R 06Rb 12E 12Ec 16A 56F 56F1 56Fa 65D**
- 613) *Eudemis* (s.str.) *porphyra* (Hübner,[1799])** (Tortricidae) Synonym(s): *porphyra* Hübner,[1799]; *pomedaxana* Pierce & Metcalfe,1915 Original Reference: Tortrix porphyra Hübner,[1799], Samml. eur. Schmett. Tortrices: Pl. 5 fig.26. Type(s): Europa. Range (in code): **FR Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR DK NO SE FI EE LV LT RU At Vv Cc GG MD UA BY CN 14 65 81 65D 65Dl 65Dlc**
- 614) *Eudemis* (s.str.) *profundana* ([Denis & Schiffermüller],1775)** (Tortricidae) Synonym(s): *profundana* [Denis & Schiffermüller],1775; *triangulella* Goeze,1783; *nebulana* Donovan,1806; *aethiopiana* Haworth,1811; *wellesiana* Hübner,[1813]; *alphonsiana* Duponchel,1834; *#obscurata* Gibeaux & Luquet,1998; *#satans* Gibeaux & Luquet,1998 Original Reference: Tortrix profundana [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 132. Type(s): Vienna district. Range (in code): **ES FR Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG TR DK NO SE FI LV LT RU MD UA BY 03 06 34 65 65D 65Dl 65Dlc**
- 615) *Metendothenia atropunctana* (Zetterstedt,1839)** (Tortricidae) Synonym(s): *atropunctana* Zetterstedt,1839; *ochromelana* Guenée,1845 Original Reference: Penthina atropunctana Zetterstedt,1839, Ins. Lapponica: 977. Type(s): Lapponia. Range (in code): **ES FR IT IE GB BE NL LU DE CH AT PL CZ SK RO YU BG TR DK NO SE FI EE LV LT RU MD UA BY Cc GG US 05 14 65 81 65D 65Dn**
- 616) *Pammene amygdalana* (Duponchel,1843)** (Tortricidae) Synonym(s): *amygdalana* Duponchel,1843; *koekeilana* Freyer,1844; *zelleri* Schulze,1918 Original Reference: Grapholitha amygdalana Duponchel,1843, Hist. nat. Lépid. Papillons Fr., Suppl. 4: 157. Type: France. Range (in code): **PT ES FR Sa Si IT BE DE CH AT CZ SK RO YU BG RU MD UA BY TR SY Hal IR 13 65 13F 13F34 65D 65Dn**
- 617) *Pammene gallicolana* (Lienig & Zeller,1846)** (Tortricidae) Synonym(s): *gallicolana* Lienig & Zeller,1846 Original Reference: Grapholitha gallicolana Lienig & Zeller,1846, Isis, Leipzig 3: 255. Syntypes: Livlandia & Kurlandia. Range (in code): **IT NL DE CH? AT CZ SK HU RO GR TR LV RU MD UA BY 65 71 65D 65Dn 65Dx**
- 618) *Phtheochroa duponchelana* (Duponchel,1843)** (Tortricidae) Synonym(s): *duponchelana* Duponchel,1843; *duponcheliana* Costa,1847; *gloriosana* Herrich-Schäffer,1851; *syriaca* Walsingham,1900 Original Reference: Seriocoris duponchelana Duponchel,1843, Hist. Nat. Lep.



Fr., Suppl. 4: 43, Pl. 62 fig.5. Type: [Italy]: Neapel (MNHNP). Range (in code): **MA DZ FR Si MT IT HU HV B-H YU AL GR Cr TR LB Bei SY 01 06 16 31 42 65 01K 06F 16A 31M 42B 65D 65DI**

**619) *Pseudeulia asinana* (Hübner,[1799])** (Tortricidae) Synonym(s): *asinana* Hübner,[1799]; *vermicularis* Meyrick,1935 Original Reference: [Tortrix] *asinana* Hübner,[1799], Samml. eur. Schmett. Tortrices: pl.16 fig.101. Type: Europe. Range (in code): **IT AT SK HU RO YU BG TR RU MD UA BY IQ Shq Cc GG CN JP 59 65 71 65D 65Dh**

Material studied: 6♂. Turkey Van Prov., Çatak 3km NNE 1550m (65Dh) 4 5 2004 M. Kemal & A.Koçak leg. (Cesa) (**Fig. 89**).



**Fig. 89** – *Pseudeulia asinana*. Turkey, Van, Çatak 3km NNE 4 5 2004, M Kemal & A. Koçak leg. (Cesa)

**620) *Thiodia anatoliana* Kennel,1916** (Tortricidae) Synonym(s): *anatoliana* Kennel,1916; *#anatoleana* Kuznetsov,1976 Original Reference: *Thiodia anatoliana* Kennel,1916, Palaearct. Tortr.: 532, Taf. xx fig.39. Type ♀: [Armenia]: "Anatolien (Erivan)" (MGAB) [examined digital image]. Range (in code): **Cc AM Eri IR Elb Kdv LB? TR 42 65 65D 65Dg 65Dga**

Material studied: 1♂. Turkey Van Prov., Çatak Darboğaz 1950m (65Dg), 6 6 2004 M. Kemal & A.Koçak leg. (Cesa) (**Figs. 90, 91**) (cf. Obraztsov, 1964).

This very little known species is new for Van Provincial fauna.



**Figs. 90, 91** – *Thiodia anatoliana*, male (above before dissection), below genitalia (GP2268). Turkey, Van Prov., Çatak Darboğaz 1980m, M.Kemal A & A.Koçak leg. (Cesa)

**621) *Thiodia citrana* (Hübner,[1799])** (Tortricidae) Synonym(s): *citrana* Hübner,[1799]; *libanicolana* Obraztsov,1964 [ssp.] Original Reference: [Tortrix] *citrana* Hübner,[1799], Samml. eur. Schmett. Tortrices: pl.29 fig.185. Type: Europe. Range (in code): **ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG TR AM Eri SY Dms Hal DK NO SE FI EE LV LT RU Us MD UA BY LB Bsa Cc GG AZ IR KG Uk TM Sb Sh CN JP 01 05 13 16 65 01K 05A 13A 13Ab 13Ax 16A 65D**

**622) *Thiodia* aff. *couleruana* (Duponchel,1835)** (Tortricidae) Synonym(s): *couleruana* Duponchel,1835; *castiliana* Caradja,1917; *pseudodelitanus* Obraztsov,1952 Original Reference: *Paedisca couleruana* Duponchel,1835, Hist. Nat. Lépid. Papillons Fr. 9: 353, pl.28 fig.8. Type: France. Range (in code): **PT ES Cs Bgs FR CH UA Cm IR TR 03 06 65 65D 65Dh**

Material studied: 1♀. Turkey Van Prov., Çatak 3km NNE (65Dh) 1500m, 21 6 2004 M. Kemal & A.Koçak leg. (Cesa). (**Figs. 92, 93**)

More material is needed for precise identification (cf. Razowski, 2003).



**Fig. 92** – *Thiodia* aff. *couleruana*, female (GP2278), Turkey, Van Pr. Çatak 3km NNE 21 6 2004, M Kemal & A. Koçak leg. (Cesa)



**Fig. 93** – *Thiodia* aff. *couleruana*, female (GP2278), Çatak 3km NNE 21 6 2004, pre. M Kemal (Cesa).

**623) Tortrix viridana (Linnaeus,1758)** (Tortricidae) Synonym(s): *viridana* Linnaeus,1758; *suttneriana* [Denis & Schiffermüller],1775; *flavipes* Fourcroy,1785; *flavana* Zincken,1821 nec Hübn.,[1799]; *coeruleana* Sorhagen,1881. Original Reference: Phalaena Tortrix viridana Linnaeus,1758, Syst. Nat. (Edn.10) 1: 530. Type(s): Europa. Range (in code): MA DZ Tou TN PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR AZ Kir Nv Ord AM Cc GG DK NO SE FI EE LV LT RU Da MD UA Cm BY IQ Hjo IR Fa Elb Kdv By Kz Lo Gl Kh SY Hal o3 o5 o6 10 12 13 16 17 34 39 42 45 50 56 65 71 75 76 o6R o6Rb 12A 12Ab 12Ad 13A 13Ab 13Ae 13Ax 13C 13Cğ 13G 13Gg 13Gs 13Gw 16A 56F 56Fb 56Fı 65D 65Dl 65Dlc 65Dt 65Du 65F 65Fç 65Fz 65Fg 65Fr 65N 65Nc4 65Np2 65Nr2 65Nm 75F 75Fb 76C

**624) Eidophasia tauricella Staudinger,1879** (Yponomeutidae) Synonym(s): *tauricella* Staudinger,1879 Original Reference: Eidophasia tauricella Staudinger,1879, Horae Soc. ent. ross. 15: 282-284. Type ♀: [Türkei]: "Taurus" (leg. Haberhauer). Range (in code): TR 33 65 73 65D 65Dg 73A 73Ak

Material studied: 1♂. Turkey Van Prov., Çatak Darboğaz 1950m (65Dg), 6 6 2004 M. Kemal & A.Koçak leg. (Cesa) (**Fig. 94**). Identification is based upon the original description.





**Fig. 94** – *Eidophasia tauricella*. Turkey, Van, Çatak Darboğaz 1950m, M. Kemal & A.Koçak (Cesa)

- 625) *Plutella* (s.str.) *xylostella* (Linnaeus,1758)** (Yponomeutidae) Synonym(s): *xylostella* Linnaeus,1758; *cinerea* Fourcroy,1785 nec Hufn.,1766; *xylostei* Fabricius,1798; *maculipennis* Curtis,1832; *niveella* Zeller,1839; *cruciferarum* Zeller,1843; *brassicella* Fitch,1856; *limbipennella* Clemens,1860; *mollipedella* Clemens,1860; *cicerella* Rondani,1876; *dubiosella* Beutenmüller,1889; *albovenosa* Walsingham,1897; *megapterella* Bentinck,1943 Original Reference: *Phalaena Tinea xylostella* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 538. Range (in code): **DZ Ajj Gha TN PT ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR DK NO SE FI EE LV LT RU MD UA BY AF Hr IR Elb Kdv Dam Mz Kh Gls IQ Njf Hjo LB Bsa IL Hf Pa ZA TH MY Cmh IN Hp SA AE YE 01 06 13 21 31 34 38 42 44 48 49 65 71 13G 13Gü 13Gw 21L 21Lf 31K 31Ka 44L 44Lc 48L 49F 49Fb 65B 65Bn 65Bn1 65D 65Dy 65E 65Eb 65Ed 65F 65F1 65Fz 65K 65N 65Nc 65Kz 65Kg**
- 626) *Yponomeuta malinellus* (Zeller,1838)** (Yponomeutidae) Synonym(s): *malinellus* Zeller,1838 Original Reference: *Hyponomeuta malinellus* Zeller,1838, Isis Leipzig 1838: 670. Type: Germany, Glogau. Range (in code): **DZ ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc AM DK NO SE FI EE LV LT RU MD UA BY CN Mc KP KR JP US 05 06 13 45 56 65 05A 06R 06Rb 13A 13Ab 13Ax 56F 56F1 65D 65Dlc 65N 65Np 65Nm**
- 627) *Jordanita* (Roccia) *volgensis* (Möschler,1862)** (Zygaenidae) Synonym(s): *volgensis* Möschler,1862 Original Reference: *Ino volgensis* Möschler,1862, Wiener ent. Monatschr. 6: 139-140, Taf.1 fig.11. Syntypes: Russia, Sarepta. Range (in code): **RU Sr UA KG TR SY Dms AM AZ Kir Nv Ord Bak Cc GG Smt Akh 01 06 13 36 44 49 51 58 63 65 70 06K 06Kb 06R 06Rd 49F 49Fb 58G 58Gd 65D 65Dg 65F 65Fe (Fig. 95)**



**Fig. 95** - *Jordanita volgensis*. Male genitalia and basal abdominal segments (GP2259). Turkey, Van Prov., Çatak Darboğaz (65Dg), prep. M. Kemal (Cesa)

- 628) Zygaena (Agrumenia) carniolica (Scopoli,1763)** (Zygaenidae) Synonym(s): *carniolica* Scopoli,1763; *nigra* Dziurzynski,1909; *transiensnigra* Dziurzynski,1909 Original Reference: Sphinx carniolica Scopoli,1763, Entomologia Carniolica: 189. Type(s): [Slovenien]: Carniolia [Krain]. Range (in code): ES FR Si IT BE LU DE Brd CH AT Stm PL CZ SK HU RO Do B-H Sjn HV Zad SS YU MK Skj AL BG Vrn Ppp Slv GR Cr Ve Prn TR IR Elb Mz Dam KG Tk Ii CN Ui UZ LB Ksr Bsa SY Nv Ord AZ AM Alg GG Smt Im Kta Akh Cc LV RU Ur Nt Sr Da Aty Nov Kr Kis Tua MD UA Cm BY 01 04 05 06 07 08 13 14 16 18 22 23 24 25 29 30 31 33 34 35 36 37 38 39 41 42 43 46 58 60 65 66 71 75 76 77 78 01K 05A 06C 06Cb 16A 18F 25E 31M 33G 37E 37Eb 46L 58F 58N 60H 60Hb 65D 65Dda 65Fi 65Fz 65H 65K 65Kc 65Kr 65N 65Np1 65Nm 75F 76C 78D 78Da
- 629) Zygaena (Agrumenia) loti ([Denis & Schiffermüller],1775)** (Zygaenidae) Synonym(s): *loti* [Denis & Schiffermüller],1775; *fulvia* Fabricius,1777 Original Reference: Sphinx loti [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 45. Type(s): Vienna district. Range (in code): ES FR IT GB BE LU DE CH AT PL CZ SK HU RO YU HV B-H MK AL BG Slv GR TR IR GG Sva Sok Abk Aba Cc AM Eri AZ Nv RU Kb Teb Da Kis MD UA Cm BY 04 05 06 08 12 13 14 18 22 23 25 26 28 29 30 31 32 36 37 38 42 44 46 49 53 58 60 62 65 69 71 75 76 78 05A 06C 06Cb 06K 06Kc 06R 06Rd 06Rk 08G 12A 12Ab 14I 14Ib 23I 32C 36D 36Dd 36F 36Fa 44A 44Ab 46F 46Fd 62E 65D 65Dn 65Dt 65F 65Fb 65Fd 65Fp 65Fz 65K 65Kd 65Kg 65N 65Np1 65Np2 65Np7 65Np8 65Nr2 65Nm 75F 76C 76D 76Dd 78D 78Da
- 630) Zygaena (Agrumenia) olivieri Boisduval,1828** (Zygaenidae) Synonym(s): *olivieri* Boisduval,1828; *cremonae* Seitz,1907 Original Reference: Zygaena olivieri Boisduval,1828, Essai Monogr. Zygénides: 98 pl.6 fig.4. Type: [Liban]: Beirut. Range (in code): TR Cc GG Akh Smt IR LB Zah Bsa Bei SY AM Alg Eri Zng AZ Nv Ord Kir 01 04 05 06 07 08 11 13 19 23 25 29 30 33 36 38 42 44 46 49 50 58 60 62 65 66 70 73 76 01K 05A 06K 06Kb 07B 07C 08H 08Hc 13G 13Gb 13Ge1 13Ge 33H 42B 42Bb 44L 46G 46L 58N 62E 65D 65Dl 65Dlc 65Do 65Doa 65F 65Fe 70B 70Bb 70C 70Ce 76C 76D 76Dd
- 631) Zygaena (Mesembrynus) cambysea Lederer,1870** (Zygaenidae) Synonym(s): *cambysea* Lederer,1870 Original Reference: Zygaena cambysea Lederer,1870, Horae Soc. ent. ross. 6: 86-87, Taf.v fig.6. Type: [Iran]: Astrabad [=Gorgan]. Range (in code): Cc TR AM Eri AZ Ist IR Mz Th Elb Fa Sse Gor IQ 04 05 13 25 30 58 62 65 73 76 30D 30De 65B 65Bo 65Bx 65D 65Dc 65Dd 65Dda 65F 65Fg 65Fp 65Fz 65K 65Ké 65Kg 65N 65Np1 65Np2 65Nm 76D 76Dd
- 632) Zygaena (Mesembrynus) cuvieri Boisduval,1828** (Zygaenidae) Synonym(s): *cuvieri* Boisduval,1828 Original Reference: Zygaena cuvieri Boisduval,1828, Essai Monogr. Zygénides: 53, pl.3 fig.6. Syntypes: "Environs d'Amaden, Perse". Range (in code): TR IR Ab Oru Ha Kd IQ Ama Cc AM Eri SY TM Kp LB Bei Bsa AZ Nv Ord 04 13 29 30 36 44 49 65 66 69 73 76 65D 65Dlc 65F 65Fg 65Fo 65Fp 65Fz 65K 65Kd 65Kz 65Kg 65N 65Np 65Np6 65Nm 76C
- 633) Zygaena (Mesembrynus) haematina Kollar,[1849]** (Zygaenidae) Synonym(s): *haematina* Kollar,[1849] Original Reference: Zygaena haematina Kollar,[1849], Denkschr. Akad. Wiss. Wien 1: 53. Type: [Iran]: "Südpersien, Schiraz". Range (in code): TR IR Fa By Lo Es 30 65 65D 65Dl 65Dlb

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Enterprise House, Innovation Way, Heslington, York, YO10 5NQ, United Kingdom  
[ts-emea-york.dcsadmins@thomson.com](mailto:ts-emea-york.dcsadmins@thomson.com)

<sup>2</sup> <http://www.cesa-tr.org/Pri.htm>

<sup>3</sup> <http://www.cesa-tr.org/Miscell.htm>

<sup>4</sup> <http://www.cesa-tr.org/Memoirs.htm>

<sup>5</sup> <http://www.cesa-tr.org/CDF.htm>

<sup>6</sup> <http://www.cesa-tr.org/Icon.htm>

<sup>7</sup> <http://www.cesa-tr.org/CPAL.htm>

<sup>8</sup> <http://www.cesa-tr.org/Cesanews.htm>

<sup>9</sup> <http://www.cesa-tr.org/Cesabooks.htm>